



The *Thinking Mathematics* series is based on the latest primary mathematics syllabus. In this series, the concrete-pictorial-abstract format is used to introduce new concepts. The spiral approach is used throughout the series to consolidate and link mathematical concepts.

The series comprises textbooks and workbooks at each level. Textbook 3A comprises 7 units. Each unit is prefaced by a relevant situation from daily life and followed through with the following sections:

**Do You Know?** Relevant, *thought-provoking* questions are asked with regard to the real life situation presented at the beginning of each unit to *link mathematics and daily life*.

**Let's Learn** New concepts are explained in a straight-forward and interesting way. *Creative and critical thinking*, as well as *an awareness of problem-solving strategy* are developed through worked examples in this section.

**Let's Try** Guided sums are provided to confirm and consolidate the concepts taught.

**Practice** Exercises involving *critical and creative thinking* are provided to encourage students to look for alternative strategies in problem-solving and thus help them grow into *independent and active learners*.

**In-Class Activity** Active participation from students and creative *application of mathematics to daily life*, including *IT* and hands-on activities, helps to develop lifelong learners. Cooperation and team spirit are encouraged through *group and pair work*.

**Fun With Maths** Mathematical concepts are extended beyond the boundaries of the classroom and brought into the realm of exploration and experiment to further engage and develop the student's interest in mathematics.

Other features of this series include:

**National Education** This is integrated, whenever applicable, into the series to promote a sense of nationality in the students.

**Revision**

Exercises are provided to assist students in reviewing the concepts and skills learnt as part of examination preparation.





**1. Whole Numbers To 10 000..... 1**

Let's learn: Thousands, hundreds,

tens and ones

**Practice 1A**

Let's learn: Comparing numbers

**Practice 1B**

Let's learn: Number patterns

**Practice 1C**

**2. Addition and Subtraction within 10 000..... 14**

Let's learn: Adding ones, tens, hundreds

and thousands

**Practice 2A**

Let's learn: Subtracting ones, tens, hundreds

and thousands

**Practice 2B**

Let's learn: Word Problems

**Practice 2C**



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Let's Learn: Hours and minutes

Practice 3A

Let's Learn: Other units of time

Conversion between units of time

Practice 3B

Let's Learn: Addition and subtraction of time

Practice 3C

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Revision 1 .....

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4. Multiplication and Division I .....

Let's Learn: Revising multiplication

Multiplying ones, tens and hundreds

Practice 4A

Let's Learn: Quotient and remainder of division

Dividing hundreds, tens and ones

Practice 4B

Let's Learn: Word Problems

Practice 4C

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5. Money .....

Let's Learn: Revising dollars and cents

Practice 5A

Let's Learn: Adding money



**Revision 2**



Practice 7C

Let's Learn: Even and odd numbers

Practice 7B

Let's Learn: Mental multiplication and division

Practice 7A

Let's Learn: Mental addition and subtraction

**7. Mental Calculations**



Practice 6D

Let's Learn: Multiplying and dividing by 9

Practice 6C

Let's Learn: Multiplying and dividing by 8

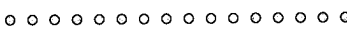
Practice 6B

Let's Learn: Multiplying and dividing by 7

Practice 6A

Let's Learn: Multiplying and dividing by 6

**6. Multiplication and Division II**



Practice 5C

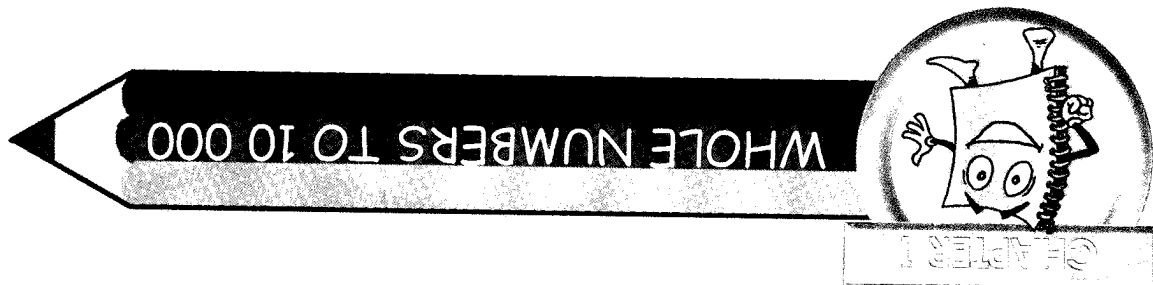
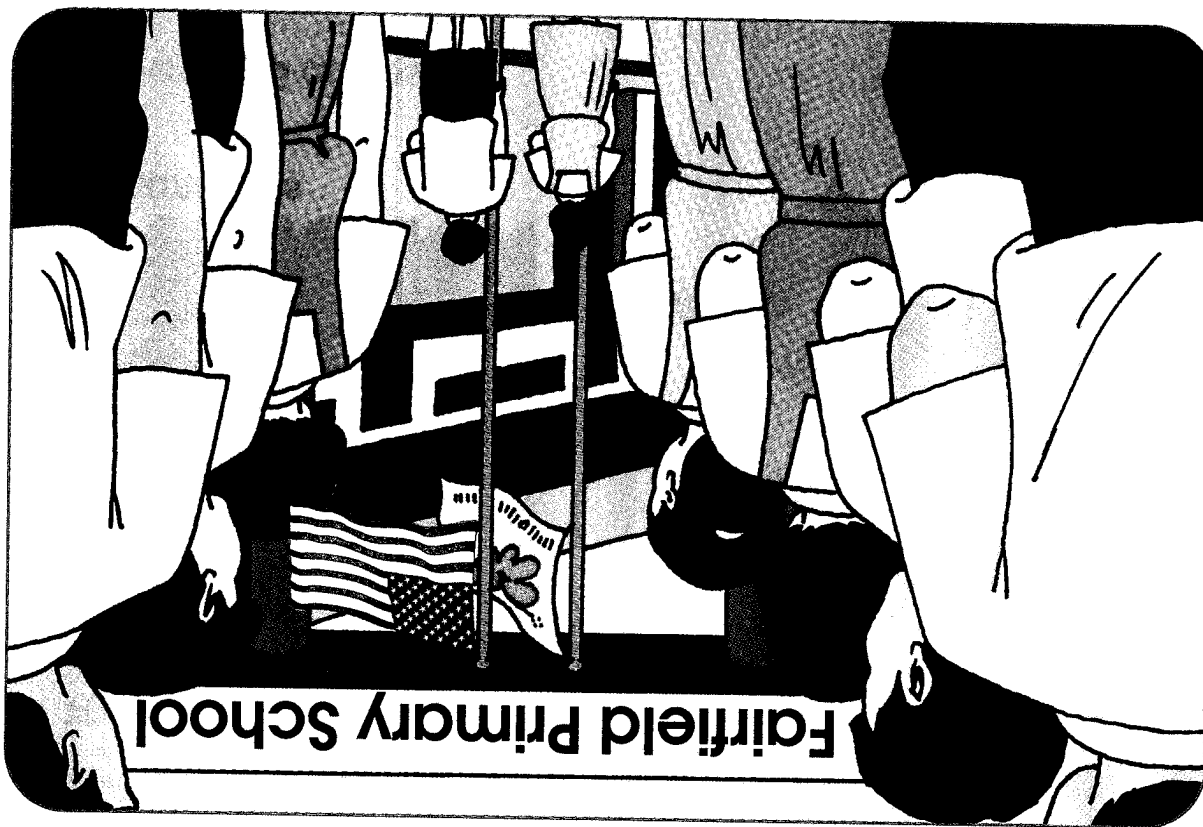
Let's Learn: Subtracting money

Practice 5B

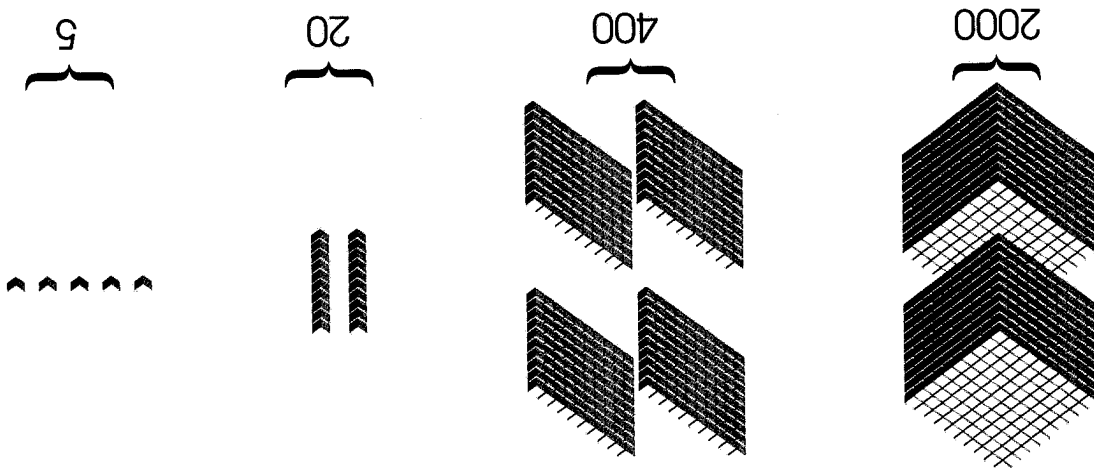
What is the total number of students in your school?  
Are there more than one thousand students?



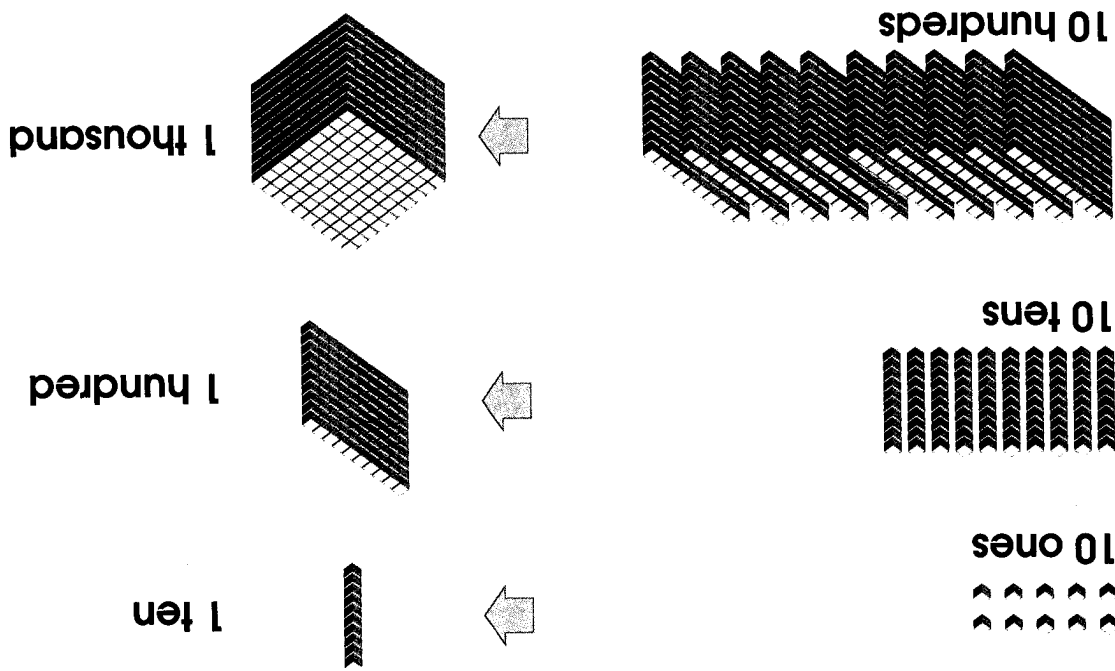
There are more than 1000 students in Fairfield Primary School.



$$2000 + 400 + 20 + 5 = 2425$$

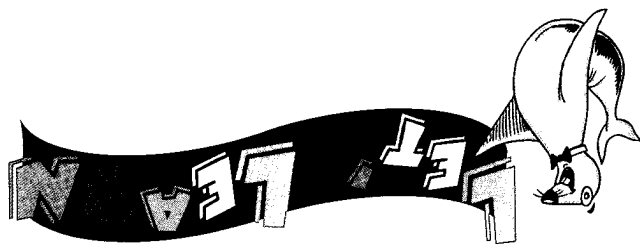


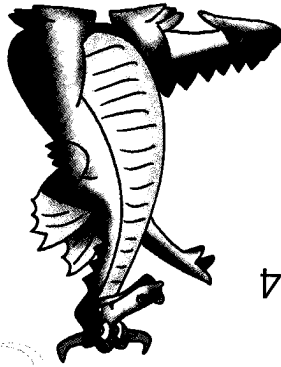
Jane has 2425 cubes.



**Thousands, Hundreds, Tens and Ones**

Previously we learnt how to read and write numbers up to 1000. Now we will learn numbers up to 10 000.





$$1000 + 300 + 20 + 4 = 1324$$

One thousand three hundred and twenty-four

<b>Ones</b>	<b>Tens</b>	<b>Hundreds</b>	<b>Thousands</b>

Read the following numbers...

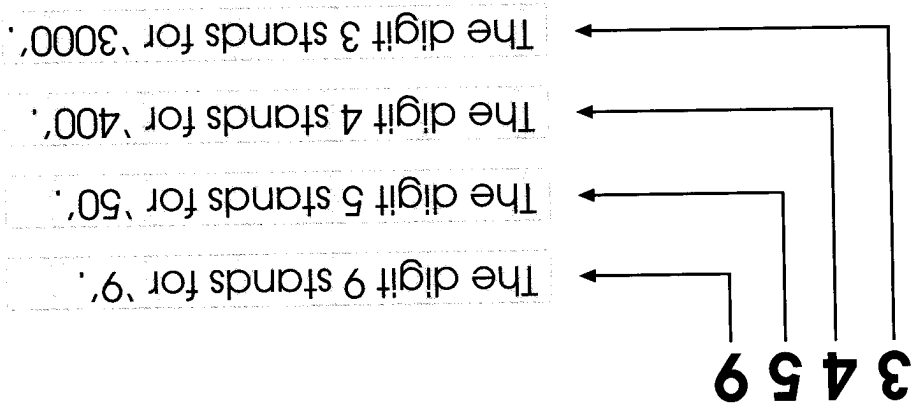
2425 is written in words as two thousand four hundred and twenty-five.

<b>Ones</b>	<b>Tens</b>	<b>Hundreds</b>	<b>Thousands</b>

We can show this number on a place value chart using number discs:

Work in pairs. Think of 3 real-life situations where we need to use numbers from 1 000 to 10 000. For example, there are about 5000 books in the school library.

# IN-GAMES ACTIVITY



What values do the following digits stand for?

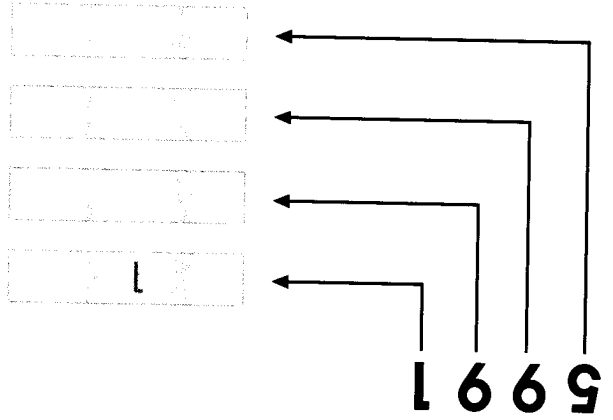


$$4000 + 400 + 1 = 4401$$

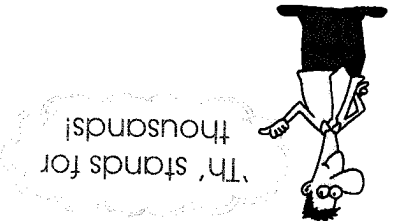
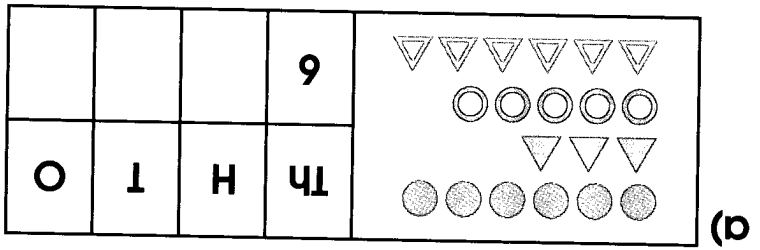
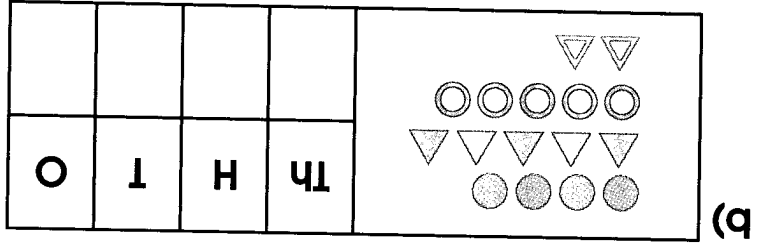
Four thousand four hundred and one!

Ones	Tens	Hundreds	Thousands





2. What value does each digit stand for?



represents 1   
  represents 10   
  represents 100   
  represents 1000

1. Fill in the missing numbers in the place value charts referring to the following symbols.

Let's Try



**Practice 1A**

1. Write the correct value in the box provided.

Thousands	Hundreds	Tens	Ones

2. Write in numbers.

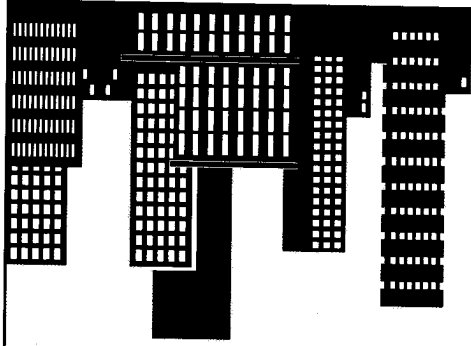
- a) Nine hundred and eighty-nine: \_\_\_\_\_
- b) One thousand one hundred and twenty-five: \_\_\_\_\_
- c) Two thousand and twelve: \_\_\_\_\_
- d) Ten thousand: \_\_\_\_\_

3. Fill in the blanks.

- a) The number just after 1 100 is \_\_\_\_\_.
- b) The number just before 10 000 is \_\_\_\_\_.
- c) The number between 2567 and 2569 is \_\_\_\_\_.

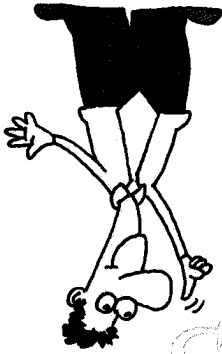
4. Complete the following number sentences.

- a)  $2000 + 500 + 10 + 4 = 2514$     b)  $6000 + 200 + 3 = \square$
- c)  $8000 + \square + 30 + 7 = 8537$     d)  $9219 = 9000 + 200 + \square + 9$



Housing Estates A : 8976 residents  
 Housing Estates B : 8892 residents  
 Housing Estates C : 8953 residents

Let's compare the population of 3 Housing Estates in a city:



The more expensive computer system is A.

3 is greater than 2.

Computer system A : \$ 3099  
 Computer system B : \$ 2999

The thousands digit for computer system B is 2.

The thousands digit for computer system A is 3.

Which computer system is more expensive?  
 Look at the digit in the 'thousands' place:

**Computer System B**



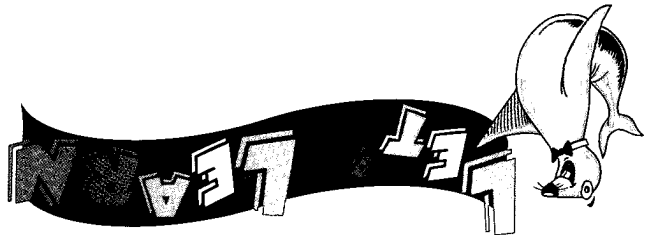
\$2999

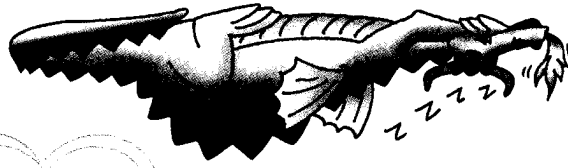
**Computer System A**



\$3099

**Comparing Numbers**





Compare the digits in the thousands place first, followed by the digits in the hundreds place, then the digits in the tens place and finally the digits in the ones place.

\_\_\_\_\_

6521    6547    6541

Arrange the following numbers in **descending** order (from the largest to the smallest number):

\_\_\_\_\_

8953    8892    8976

Can you arrange the populations in **ascending** order (from the smallest to the largest) order?

Hence, Estate A is the most populated among the three Estates .

8 9 7 6  
8 9 5 3

7 is greater than 5.

We compare the digits in the tens place of the number of residents in Estates A and C.

Therefore Housing Estate B has the least number of residents.

8 9 7 6  
8 8 9 2  
8 9 5 3

9 is greater than 8.

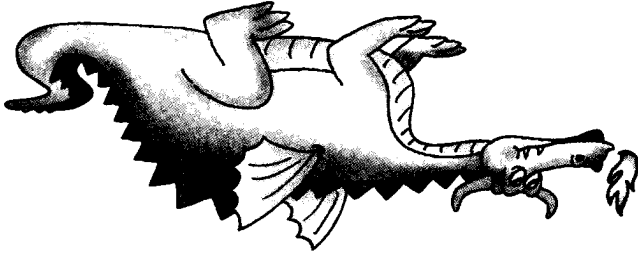
Then we compare the digit in the hundreds place.

8 9 7 6  
8 8 9 2  
8 9 5 3

All the digits in the thousands place are the same!

First we compare the digits in the thousands place.

Which Housing Estate is the most populated?



- a) 3074  $\longleftrightarrow$  3003
- b) 4233  $\longleftrightarrow$  4332
- c) 9099  $\longleftrightarrow$  9909

1. Cross-out the smaller number.

### Practice 1B

2. Arrange the following numbers in ascending order:
- a) 7853, 7852, 7951 : \_\_\_\_\_
  - b) 7021, 6091, 7091 : \_\_\_\_\_



- a) 1342
- b) 4044
- c) 8800

1. Circle the larger number.

### Let's Try

- a) 2987
- b) 2980
- c) 2935
- d) 2915



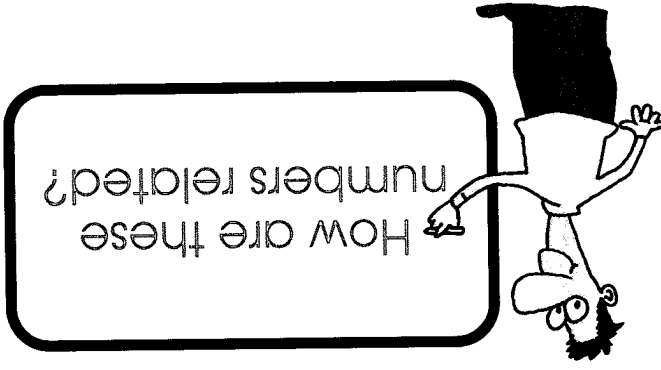
Use base-ten materials to show the following numbers:

Which is the largest number?

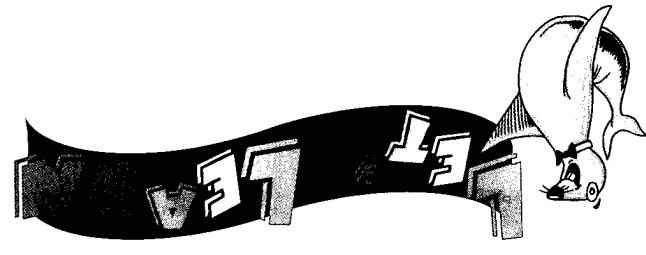
Which is the smallest number?



7300, 6300, 5300, 4300, 3300...



**Number Patterns**



- a) 2999, 8299, 999 : \_\_\_\_\_
- b) 5034, 5094, 5036 : \_\_\_\_\_

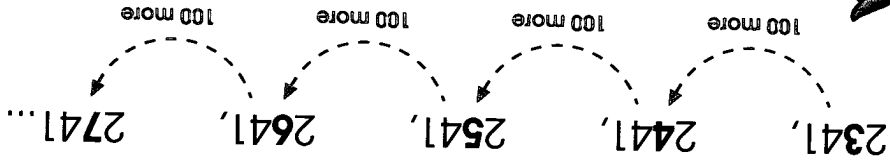
3. Put the numbers in descending order.

- a) 3605    3615
- b) 2095    2090
- c) 9854    8964

2. Compare the numbers. Circle the larger number.



The number pattern is in ascending order of 100.



All the digits in the thousands place are the same so we compare the digits in the hundreds place:

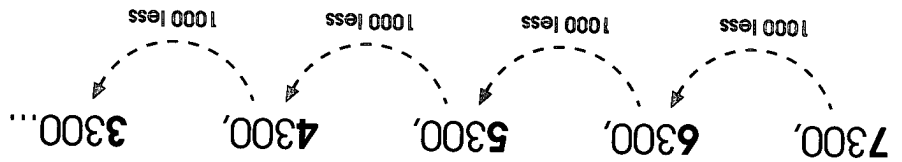
2341, 2441, 2541, 2641, 2741...

Can you identify a number pattern in the number arrangement below?

The numbers are arranged in descending order of 1000.

The numbers are arranged in a pattern.

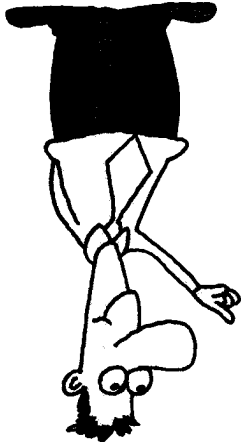
6300 is 1000 less than 7300.  
5300 is 1000 less than 6300.



Compare the digits in the thousands place:

- a) 1200, 1300, 1400, 1500, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- b) 2418, 2408, 2398, 2388, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- c) 4055, 5155, 6255, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2. Identify a number pattern for each of the following. Write down the next 3 numbers.



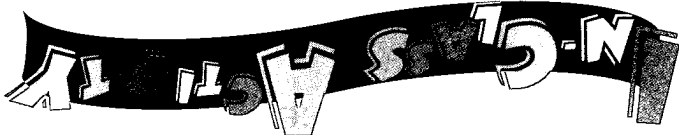
- a)  $\boxed{+1000}$  2456  $\leftarrow$  ---  $\leftarrow$  1456  $\leftarrow$  ---  $\leftarrow$  9560  $\leftarrow$  ---  $\leftarrow$  8560
- b)  $\leftarrow$  ---  $\leftarrow$  7659  $\leftarrow$  ---  $\leftarrow$  5037
- c)  $\leftarrow$  ---  $\leftarrow$  3910  $\leftarrow$  ---  $\leftarrow$  3909
- d)  $\leftarrow$  ---  $\leftarrow$  1356  $\leftarrow$  ---  $\leftarrow$  1456  $\leftarrow$  ---  $\leftarrow$  1356
- e)  $\leftarrow$  ---  $\leftarrow$  5037  $\leftarrow$  ---  $\leftarrow$  3910  $\leftarrow$  ---  $\leftarrow$  3909

1. Complete the following. The first one has been done for you.

**Let's Try**

Make a pattern using all 4-digit numbers in descending order of 100.

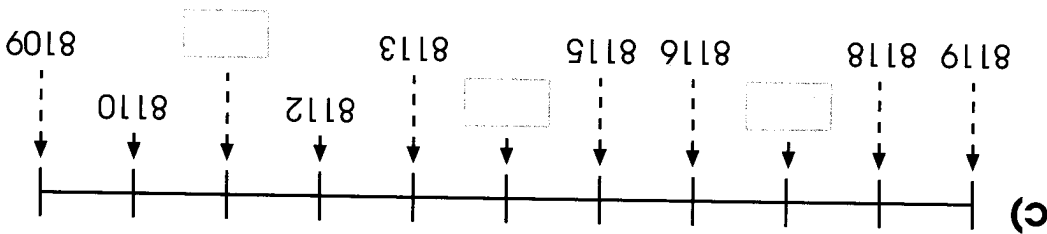
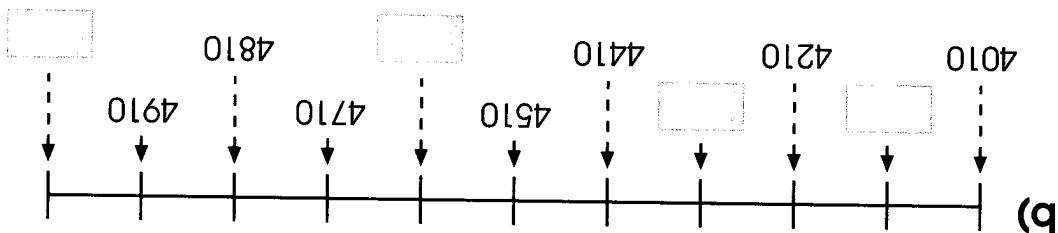
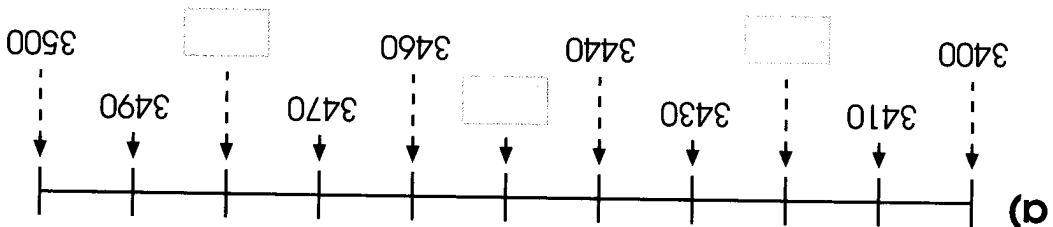
- 1) 99, 1099, 2099, ...
  - 2) 3256, 3266, 3276, 3286, ...
- Identify a number pattern in the following sequences:





# Practice 1C

1. What is the missing number in the boxes?



2. Identify a number pattern for each of the following. Fill in the missing numbers.

- a) 988, 998, \_\_\_\_\_, 1028.
- b) 1110, 1210, \_\_\_\_\_, 1410, \_\_\_\_\_, 1610.
- c) 4037, \_\_\_\_\_, 2037, \_\_\_\_\_, 37.
- d) 9340, 9240, \_\_\_\_\_, \_\_\_\_\_, 8940.



Do we add or subtract to find the total number of residents in Sunshine Housing Estate?

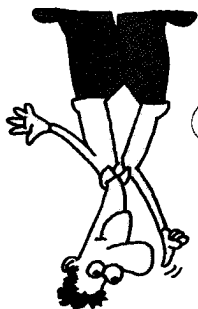


Sunshine Housing Estate has two apartment buildings A and B. The table shows the number of residents in each apartment building.

Apartment Buildings	Number of Residents
A	1452
B	1346
Total	?



Therefore there are 2798 residents in Sunshine Housing Estate.



Add the ones, the tens, the hundreds and then the thousands!

$$\begin{array}{r}
 2798 \\
 + 1346 \\
 \hline
 1452 \\
 1346 \\
 \hline
 2798
 \end{array}$$

Working:

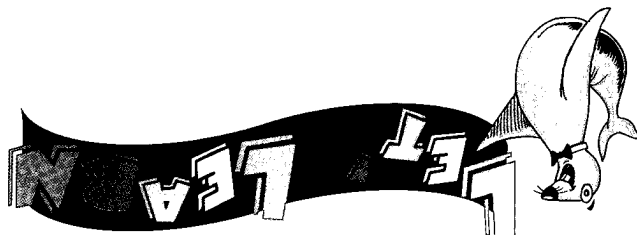
We can show this addition using number discs.

Ones	Tens	Hundreds	Thousands

$1452 + 1346 =$

How do we add two 4-digit numbers like 1452 and 1346?

### ***Adding Ones, Tens, Hundreds and Thousands***



Therefore the answer is 2830.

$$\begin{array}{r}
 2830 \\
 + 1585 \\
 \hline
 1245 \\
 1245 \\
 \hline
 2830
 \end{array}$$

Working:



This addition involves renaming!

We add the ones first, then the tens, followed by the hundreds and finally the thousands.

When we add 5 ones to 5 ones, we get 10 ones. 10 ones are renamed as 1 ten.

When 4 tens are added to 8 tens, we get 12 tens. We add the 1 ten to this 12 tens to get 13 tens. We rename 13 tens as 1 hundred and 3 tens.

Add 2 hundreds to 5 hundreds to get 7 hundreds. Also add the 1 hundred to this 7 hundreds.

	2	8	3	0
Thousands	1000 1000			
Hundreds		100 100 100 100	100 100 100 100 100 100	
Tens			10 10 10 10 10 10 10 10	
Ones			1 1 1 1 1 1 1 1	

1245 + 1585 =

# Maths Activity

Mary was given 3 sums to complete. She did the sums as follows:

$$\begin{array}{r} \text{a) } 1538 \\ + 342 \\ \hline 1880 \end{array}$$

$$\begin{array}{r} \text{b) } 2374 \\ + 1442 \\ \hline 3716 \end{array}$$

$$\begin{array}{r} \text{c) } 5909 \\ + 2815 \\ \hline 7724 \end{array}$$

Did she do the sums correctly? Discuss.

## Let's Try

1. Add without renaming.

a)

$$\begin{array}{r} 1325 \\ + 1234 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 2456 \\ + 1123 \\ \hline \end{array}$$

2. Add with renaming.

a)

$$\begin{array}{r} 1286 \\ + 2134 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 2314 \\ + 3478 \\ \hline \end{array}$$



c)  $2066 + 1123 =$

d)  $1276 + 5214 =$

a)  $976 + 24 =$

b)  $1476 + 1112 =$

2. Fill in the boxes.

$$\begin{array}{r} 2742 \\ + 8073 \\ \hline 107115 \end{array}$$

c)

$$\begin{array}{r} 2066 \\ + 1554 \\ \hline 3520 \end{array}$$

b)

$$\begin{array}{r} 1235 \\ + 333 \\ \hline 4565 \end{array}$$

a)

1. There is a mistake in each of the sums below. Can you spot it? Can you do it correctly?

## Practice 2A



**WORKING**


3. Add the following. Show your working neatly in the boxes given.

f)  $8134 + 1678 =$  \_\_\_\_\_

e)  $6257 + 1356 =$  \_\_\_\_\_

d)  $5115 + 3269 =$  \_\_\_\_\_

c)  $7345 + 1214 =$  \_\_\_\_\_

b)  $1234 + 211 =$  \_\_\_\_\_

a)  $3342 + 11 =$  \_\_\_\_\_

Thousands	Hundreds	Tens	Ones

$2550 - 1245 =$

The answer is 1134.

$$\begin{array}{r}
 2345 \\
 - 1211 \\
 \hline
 1134
 \end{array}$$

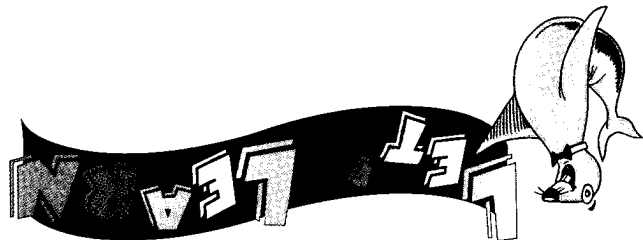
Working:

Subtract the ones, the tens, the hundreds and finally the thousands!

Thousands	Hundreds	Tens	Ones

$2345 - 1211 =$

**Subtracting Ones, Tens, Hundreds and Thousands**





$$\begin{array}{r} 8375 \\ - 35 \\ \hline \end{array}$$

a)

$$\begin{array}{r} 3486 \\ - 362 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 5473 \\ - 2339 \\ \hline \end{array}$$

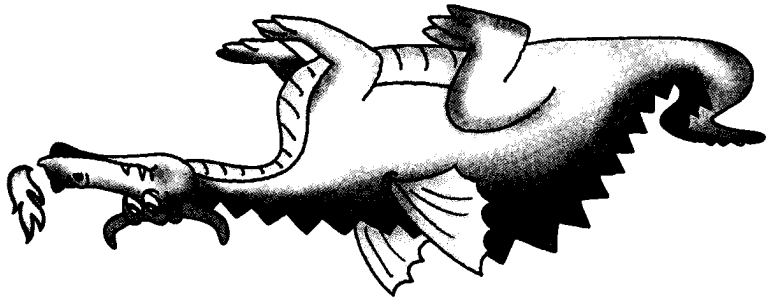
c)

$$\begin{array}{r} 9111 \\ - 4468 \\ \hline \end{array}$$

d)

1. Work out the following subtractions.

Let's Try



Get into groups of 4. Write down the year that most of the group members were born in (e.g. 1994). Write 3 different subtractions that will give this year as the answer.

IN-GREAT ARTTY

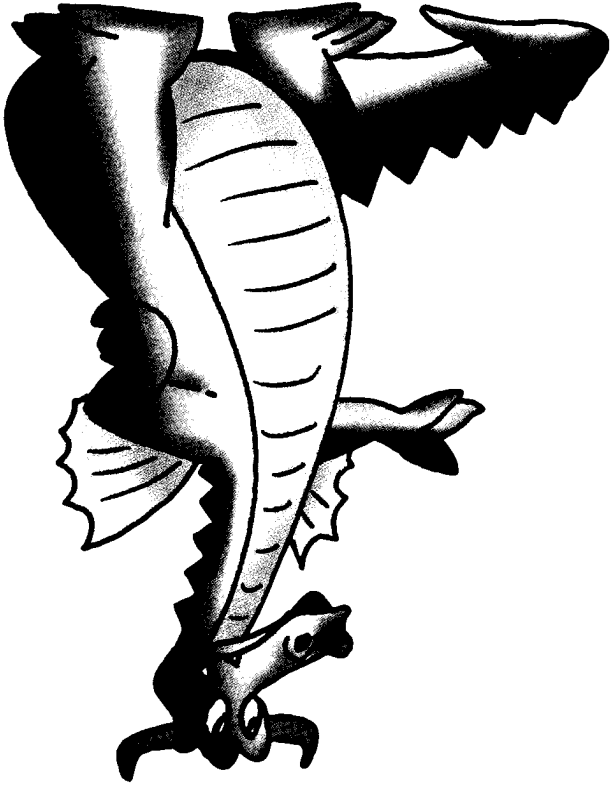
$$\begin{array}{r} 2580 \\ - 1245 \\ \hline 1305 \end{array}$$

Working:

This subtraction involves renaming!

There are not enough ones to subtract the 5 ones. We rename 5 tens to 4 tens and 10 ones. 5 ones subtracted from 10 ones is 5 ones.

We subtract the ones, then the tens, followed by the hundreds and finally the thousands.



f)  $4000 - 2178 =$  \_\_\_\_\_

e)  $9277 - 3499 =$  \_\_\_\_\_

d)  $5763 - 2341 =$  \_\_\_\_\_

c)  $4086 - 124 =$  \_\_\_\_\_

b)  $2675 - 17 =$  \_\_\_\_\_

a)  $1988 - 8 =$  \_\_\_\_\_

1. Subtract the following.

**Practice 2B**

c)  $3000 - 1604 =$  \_\_\_\_\_

b)  $2000 - 1850 =$  \_\_\_\_\_

a)  $1000 - 200 =$  \_\_\_\_\_

$$\begin{array}{r} 3000 \\ - 1604 \\ \hline \end{array}$$

$$\begin{array}{r} 2000 \\ - 1850 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 200 \\ \hline \end{array}$$

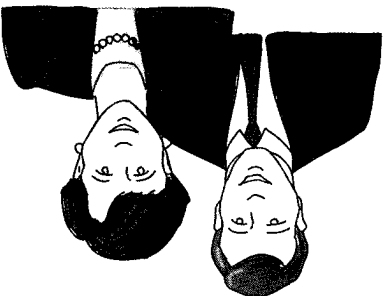
2. Write the missing number showing your working clearly.



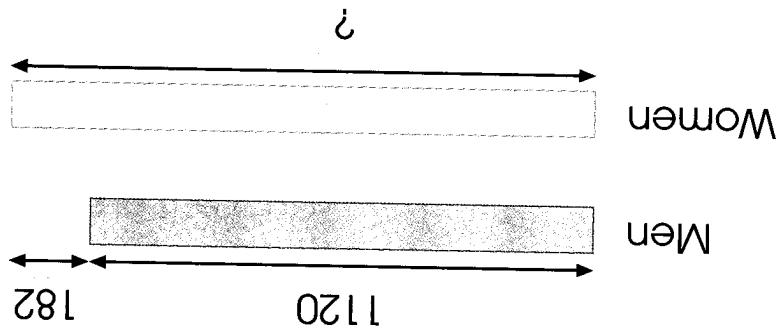
**Word Problems**

*Example 1*

There were 1120 men at a concert.  
There were 182 more women than men.



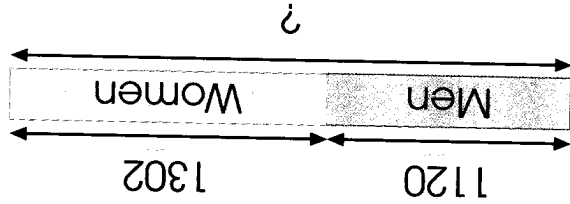
**a)** How many women were there?



$$1120 + 182 = 1302$$

There were 1302 women.

**b)** How many men and women were there altogether?

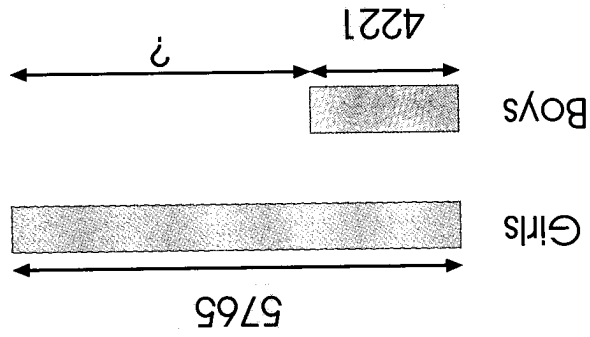


$$1120 + 1302 = 2422$$

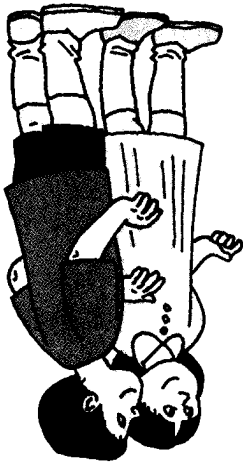
There were 2422 men and women altogether.

There are 1544 more girls than boys in the club.

$$5765 - 4221 = 1544$$

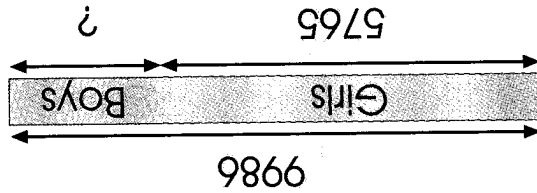


b) How many more girls than boys are there in the club?



There are 4221 boys in the club.

$$9986 - 5765 = 4221$$



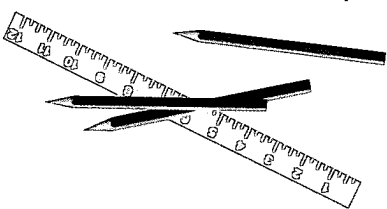
a) How many boys are there in the club?

There are 9986 boys and girls in the Children's Charity Club. 5765 of them are girls.

# IN-G-T-N A-T-I-T-Y

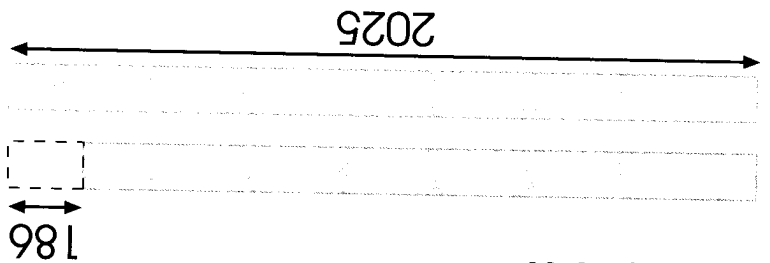
Creating your own problem sums

Materials needed: ruler, pencils.

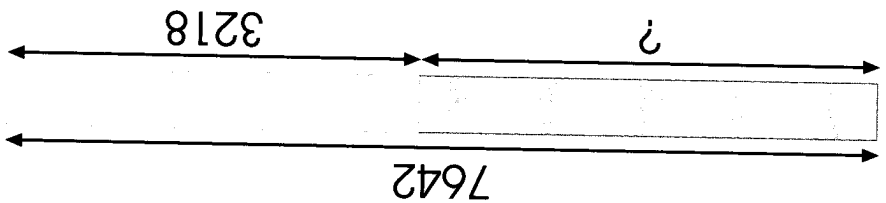


Using the models given below, think of a word problem for each of them.

Problem 1:



Problem 2:





## Let's Try

Draw the models to represent the word problems. Use the models to find the answers.

1. There are 1234 students in a school. 575 are boys. How many girls are there in the school?

2. There are 299 lesser ducks than chickens in a farm. How many chickens are there if there are 1111 ducks?

- a) Which system costs lesser?
- b) How much lesser does it cost?

 <p><b>COMPUTER SYSTEM Y</b>  <b>\$2690</b>          (Includes printer/Printex)</p>	 <p><b>COMPUTER SYSTEM X</b>  <b>\$2488</b>          Pay \$99 for printer/Printex</p>
--	---

2. Ravi saw an advertisement on the sale of computers:

1. Fatimah made 2500 buns to sell in her bakery. At the end of the day, there were 16 buns left. How many buns were sold?

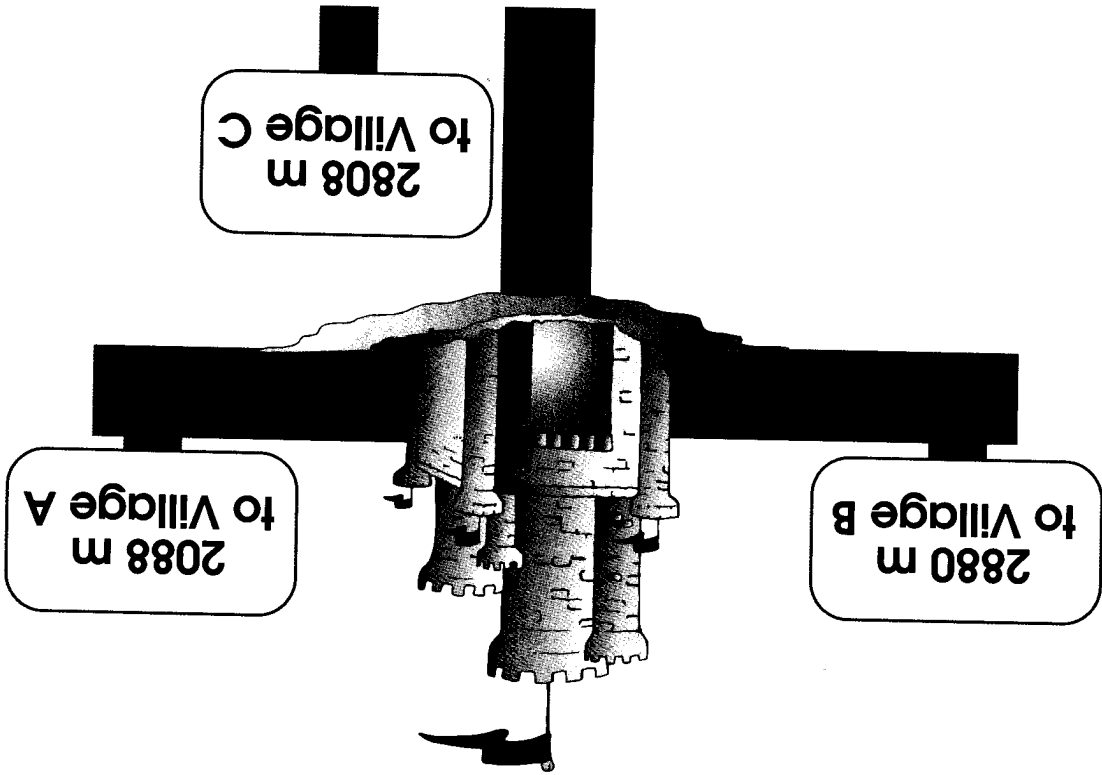
Draw models to represent the word problems. Use the models to find the answers.

**Practice 2c**



3. 1065 people attended a concert. There were 367 lesser children than adults. How many children attended the concert?

3. Look at the signboards. They show the distances of villages A, B and C from the castle.



a) Which village is the farthest from the castle?

b) Which village is the nearest to the castle?

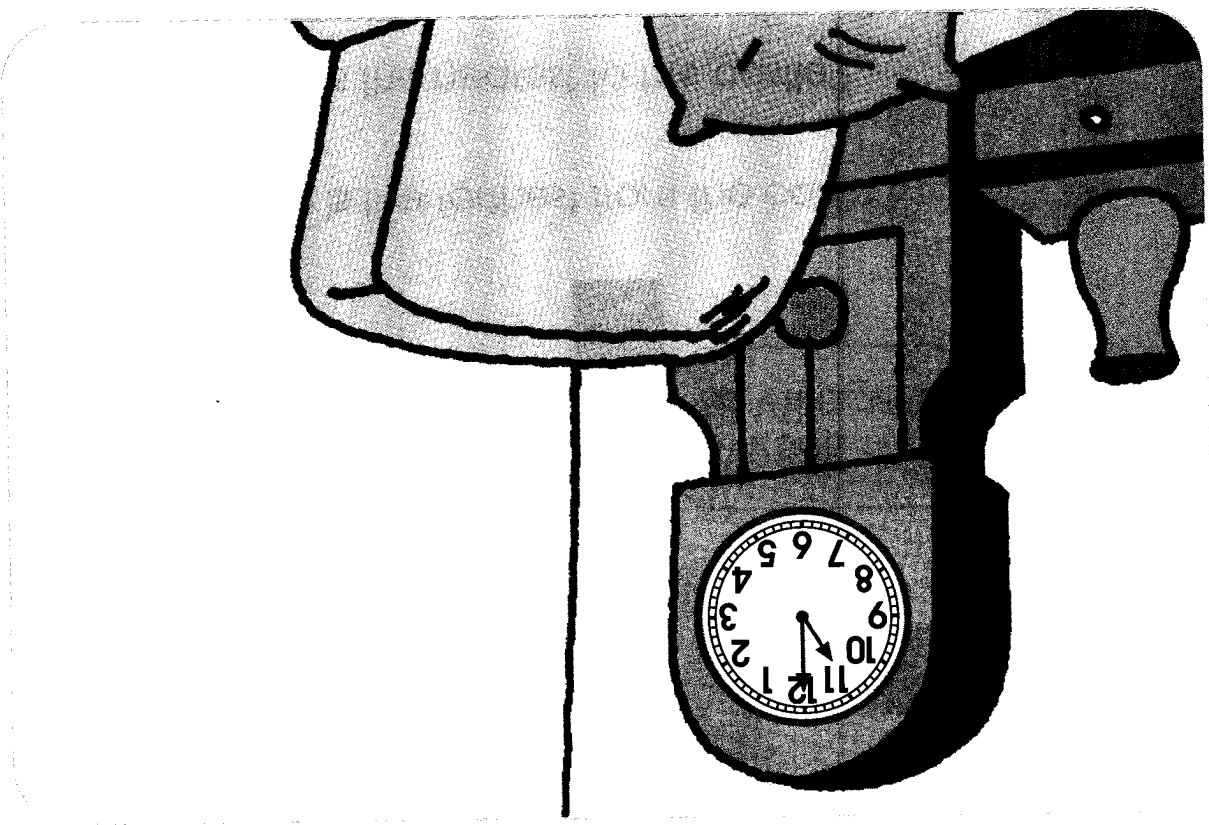
c) Draw a model to show the difference between the longest and shortest route.

d) What is the difference in distance between the farthest village and the nearest village from the castle?

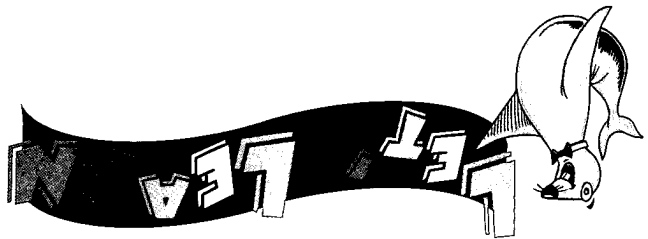


What are the different ways of telling the time?  
List as many ways as you can think of.

What time is it now?







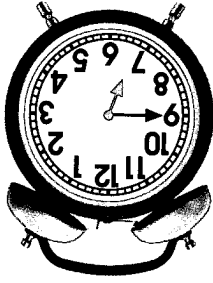
## Hours and Minutes

Peter goes to bed at 9.10 p.m. or 10 minutes past 9.



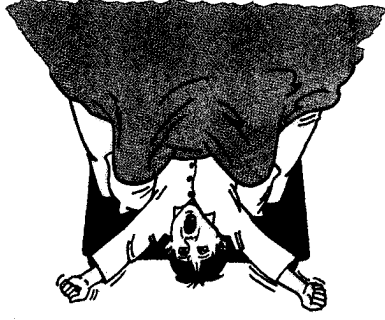
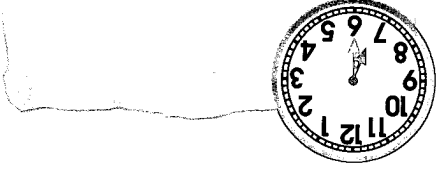
He wakes up at 6.45 a.m. or 15 minutes to 7.

We can also say that he wakes up at **quarter to seven.**



Alli wakes up at 6.30 a.m. or **30 minutes past 6 o'clock.**

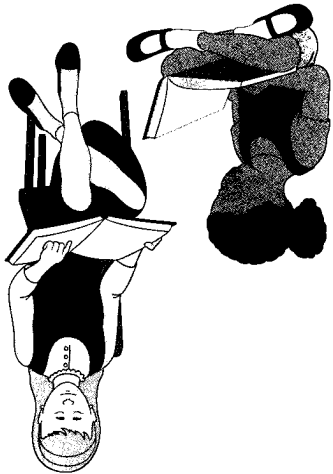
We can say this time as **half past 6.**



# Maths Activity

Work in pairs. Look at your school time-table.

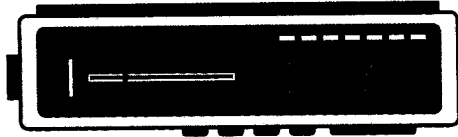
Tell your partner the different times of the week when the maths lessons start. Use 'to' or 'past' to tell the time.



## Let's Try

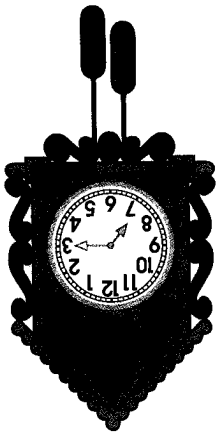
1. What time is it? Fill in the blanks.

(a)



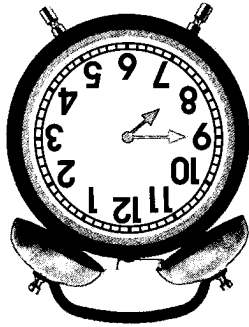
\_\_\_\_\_ min past 9

(b)



\_\_\_\_\_ min past 7

(c)



\_\_\_\_\_ 15 min to \_\_\_\_\_

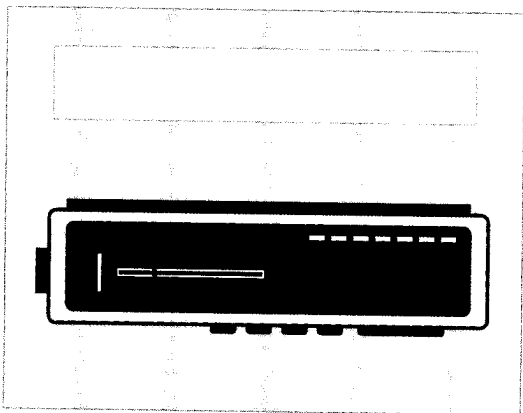
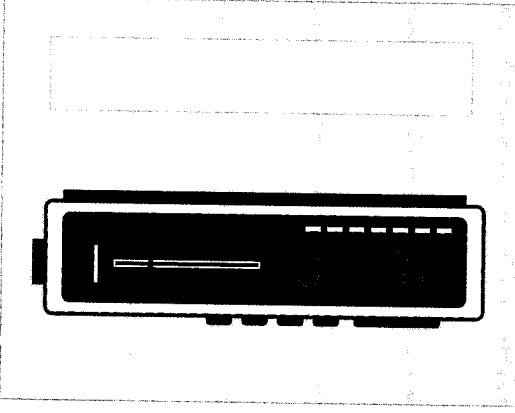
(d)



\_\_\_\_\_ min to 5

**Practice 3A**

1. Write the time shown using 'to' or 'past'.

a)  b) 

2. Fill in the blanks.

a) Peter goes to the library at 2.25 p.m. 2.25 is the same as \_\_\_\_\_ min past 2.

b) Father comes home from work at 6.20 p.m. 6.20 is the same as \_\_\_\_\_ min \_\_\_\_\_ 6.

c) Father goes to bed at 11.45 p.m. 11.45 is the same as \_\_\_\_\_ min or quarter to \_\_\_\_\_.

d) Mak does his homework at 7.50 p.m. 7.50 is the same as \_\_\_\_\_ min \_\_\_\_\_ 8.



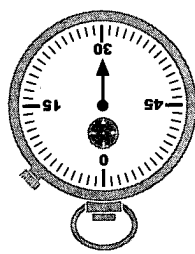
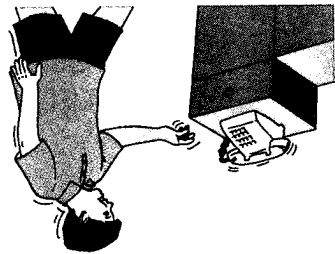
<b>JANUARY</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	<b>FEBRUARY</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	<b>MARCH</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>APRIL</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>MAY</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>JUNE</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>JULY</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>AUGUST</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>SEPTEMBER</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>OCTOBER</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>NOVEMBER</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>DECEMBER</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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January, February, March, April...

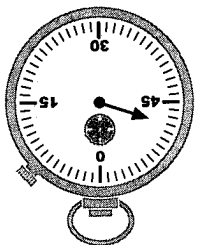
Can you name the 12 months?

There are 12 months in 1 year.

We also measure time in terms of years, months, weeks and days.



John spent 30 seconds or 30 s walking towards the phone.



The stopwatch shows the time a runner clocked. How many seconds did the runner take?

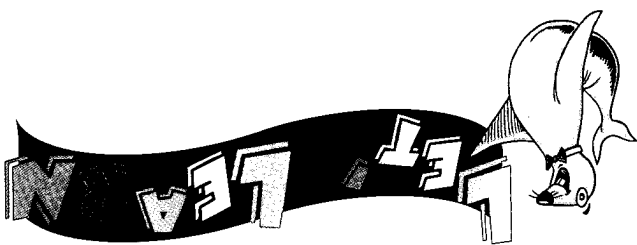
1 min = 60 s

Remember: 1 h = 60 min

The second or s is also a unit of time.

We learnt that hour (h) and minute (min) are units of time.

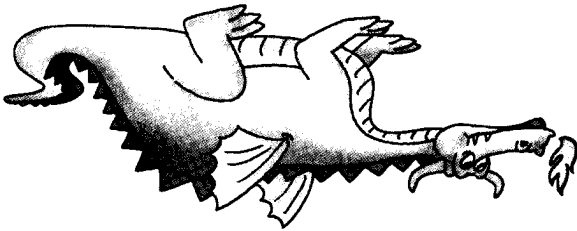
Other Units of Time



# IN-GASS ACTIVITY

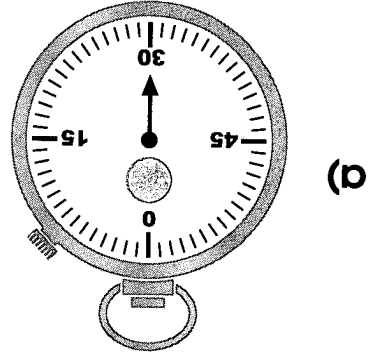
Get into groups. Discuss how long the following events usually take.

1. Brushing your teeth in the morning.
2. Getting a university degree.
3. Walking from one end of the classroom to the other.
4. Blinking your eyes twice.

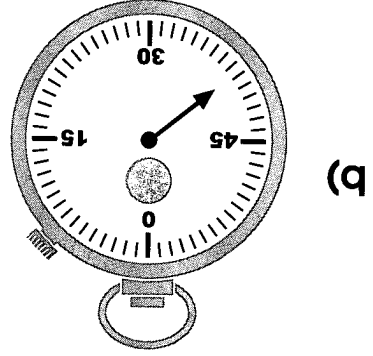


Look at the stopwatches and fill in the blanks.

## Let's Try



The phone rang for \_\_\_\_\_ s.

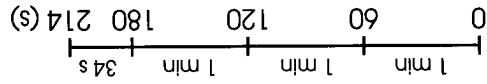


Andy took \_\_\_\_\_ s to swim in the 50 m race.

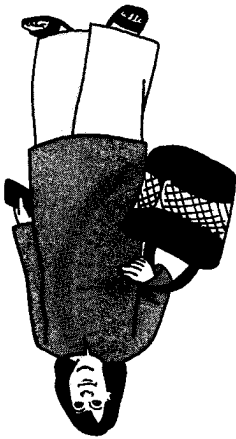


He took 3 min 34 s.

$$214 \text{ s} = 1 \text{ min} + 1 \text{ min} + 1 \text{ min} + 34 \text{ s} \\ = 3 \text{ min } 34 \text{ s}$$



Minghua timed his climb up a building. It took him 214 s to reach the top. How many minutes and seconds did he take?



She took 275 s.

$$4 \text{ min } 35 \text{ s} = 60 \text{ s} + 60 \text{ s} + 60 \text{ s} + 60 \text{ s} + 35 \text{ s} \\ = 240 \text{ s} + 35 \text{ s} \\ = 275 \text{ s}$$

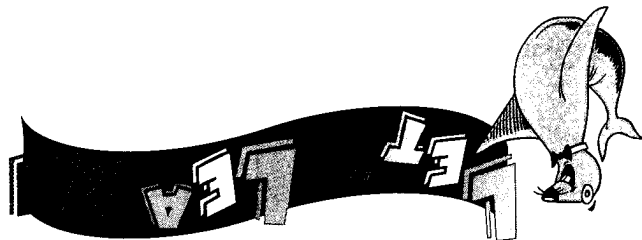
Rani took 4 min 35 s to walk from her house to the grocery store. How many seconds did she take?

There are 120 seconds in 2 minutes. Jane used the phone for 120 s.

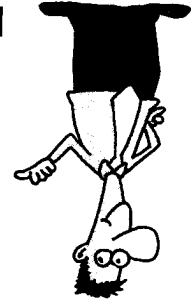
$$1 \text{ min} = 60 \text{ s} \\ 2 \text{ min} = 60 \text{ s} + 60 \text{ s} \\ = 120 \text{ s}$$

Jane used the phone for 2 minutes. How many seconds are there in 2 minutes?

### Conversion between Units of Time

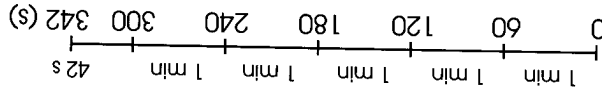


He has been working there for \_\_\_ years \_\_\_ months.



$$80 \text{ months} = 12 + \_ + \_ + \_ + \_ + \_ + \_ + \_ + 8$$

2. Kelvin has been working at the airport for the past 80 months. How long has he been working there in years and months?

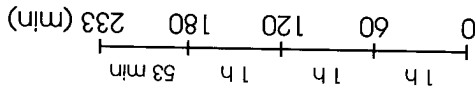


1. It took Sarah 342 s to reach the bus-stop from her office. How many minutes and seconds did she take?

**Let's Try**

233 minutes is 3 h 53 min.

$$233 \text{ min} = 1 \text{ h} + 1 \text{ h} + 1 \text{ h} + 53 \text{ min} = 3 \text{ h } 53 \text{ min}$$



What is 233 minutes in hours?

The movie was 135 min long.

$$2 \text{ h } 15 \text{ min} = 120 \text{ min} + 15 \text{ min} = 135 \text{ min}$$

$$2 \text{ h} = 60 \text{ min} + 60 \text{ min} = 120 \text{ min}$$

**Remember:**  
1 h = 60 min

A movie went on for 2 h 15 min. How long was the movie in minutes?

**Practice 3B**

1. Fill in the boxes.

a) 4 weeks 6 days =  day(s)

b) 17 days =  week(s)

c) 3 min 20 s =  min

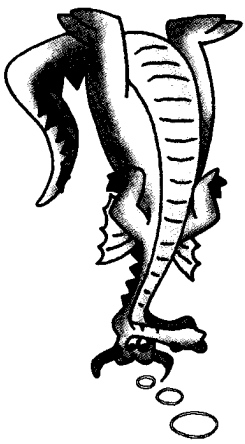
d) 300 s =  min

e) 2 years 1 month =  month(s)

f) 35 months =  year(s)

g) 8 weeks =  day(s)

h) 16 days =  week(s)



3. Ahmed's chick is 2 weeks old. How many days is that?

**Remember:**  
1 week = 7 days

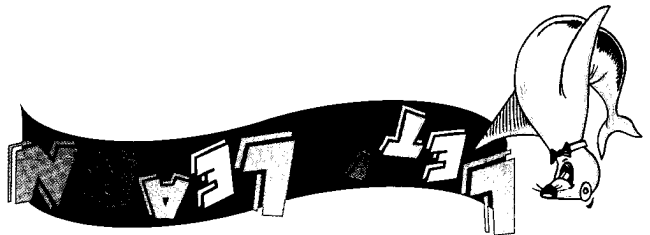


4. Andy's kitten is 25 days old. How many weeks and days is that?



2. Minghua took 200 s to jog round the track. John took 2 min 55 s to jog round the same track. Who took a shorter time?

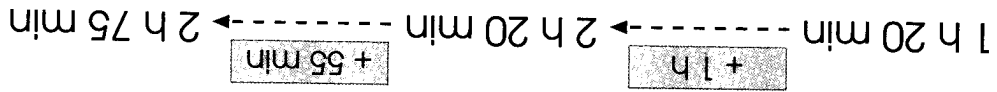




## Addition and Subtraction of Time

Addition

Joyce spent 1 h 20 min at the market on Monday and 1 h 55 min on Friday. How much time did she spend altogether at the market on both days?



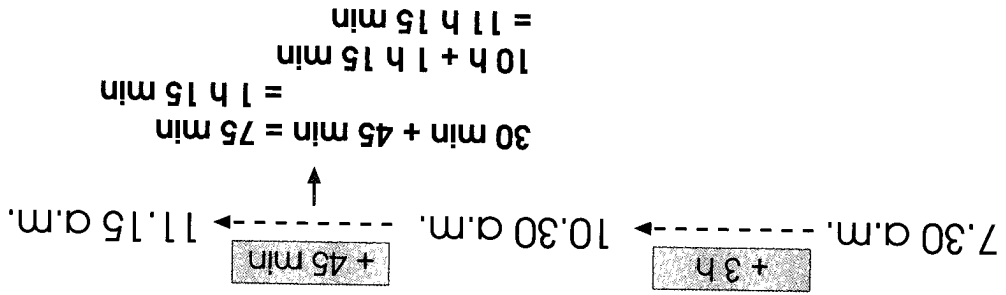
$$2 \text{ h } 75 \text{ min} = 3 \text{ h } 15 \text{ min}$$

$$75 \text{ min} = 60 \text{ min} + 15 \text{ min} \\ = 1 \text{ h} + 15 \text{ min}$$

She spent 3 h 15 min altogether at the market on both days.

A concert started at 7.30 p.m. It ended 3 h 45 min later. At what time did the concert end?

7.30 p.m. is 7 h 30 min after 12 p.m. in the afternoon.



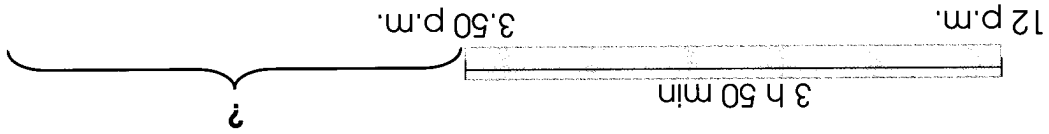
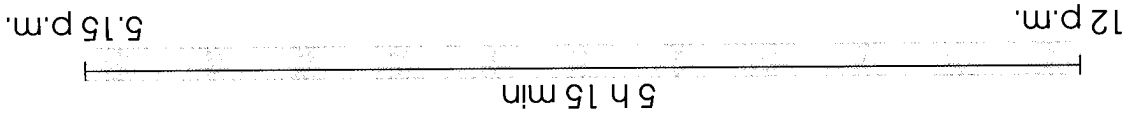
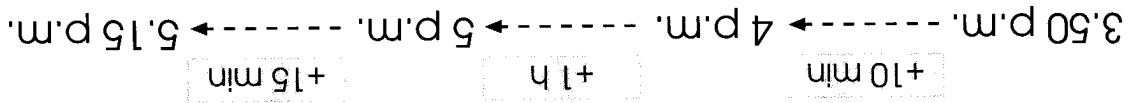
The concert ended at 11.15 a.m.

# ACTIVITY

Work in pairs. Write down the time each of you woke up this morning. What time did you reach school? How many hours and minutes did you spend getting ready and reaching school? Write this time in minutes. Who spent more time?

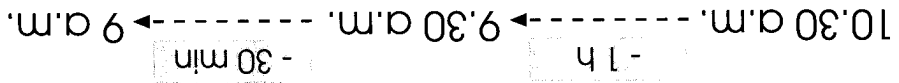
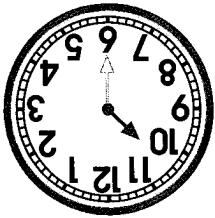
She took 1 h 25 min to finish her homework.

$$1 \text{ h} + 10 \text{ min} + 15 \text{ min} = 1 \text{ h } 25 \text{ min}$$



Mei Ling started doing her homework at 3.50 p.m. She finished the homework at 5.15 p.m. How long did she take to finish the homework?

Her brother started studying at 9 a.m.

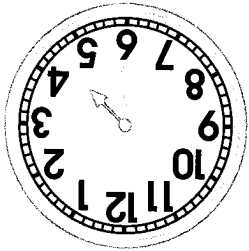
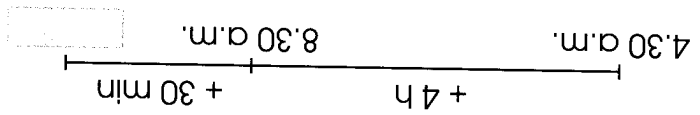


Mary started studying at 10.30 a.m. Her brother started studying 1 h 30 min before her. At what time did her brother start studying?

Subtraction

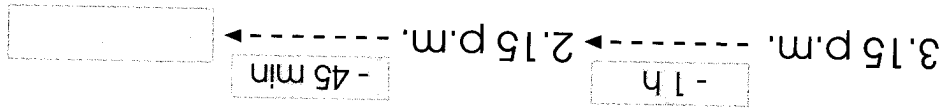
**Let's Try**

1. Maria reaches her office at 4.30 a.m. to start her work. Ana starts her work 4 h 30 min after Maria does. At what time does Ana start her work?

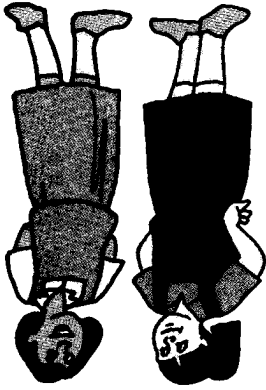


Ana starts her work at \_\_\_\_\_ a.m.

2. Susan finished her homework at 3.15 p.m. Sitti finished her homework 1 h 45 min before Susan did. At what time did Sitti finish her homework?



Sitti finished her homework at \_\_\_\_\_ p.m.



4. Minghua started cycling round the park at 7.20 a.m. Rani started cycling 1 h 55 min later than Minghua. At what time did Rani start cycling?

3. Jane took 3 h 5 min to finish revising for her Maths test. Devi took 45 min less than Jane. How long did Devi take to revise for the Maths test?

2. Hassan watched TV from 7.40 p.m. till 9.10 p.m. How much time did he spend watching TV?

d)  $7 \text{ h } 20 \text{ min} - 2 \text{ h } 40 \text{ min} = \text{--- h --- min}$

c)  $3 \text{ h } 15 \text{ min} + 6 \text{ h } 50 \text{ min} = \text{--- h --- min}$

b)  $2 \text{ h } 10 \text{ min} - 55 \text{ min} = \text{--- h --- min}$

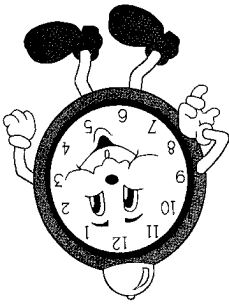
a)  $1 \text{ h } 30 \text{ min} + 1 \text{ h } 45 \text{ min} = \text{--- h --- min}$

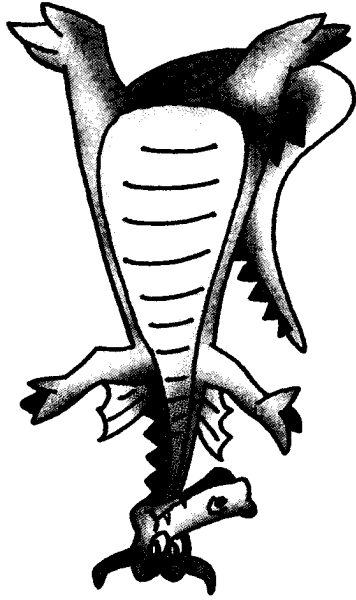
1. Fill in the blanks.

### Practice 3C

4. Peter started surfing the internet at 11.30 a.m. and stopped at 2.20 p.m. How much time did he spend surfing the internet?

3. Siti read the newspaper from 6.20 a.m. till 7.35 a.m. How much time did she spend reading the newspaper?





## Exercise 1

1. Write in the numbers.

- a) One thousand and fifty.
- b) Four thousand one hundred and forty.
- c) Nine thousand and fifty.

2. Fill in the blanks.

a)  $919 = 900 + \quad + 9$

b)  $2095 = 2000 + 90 + \quad$

c)  $3714 = \quad + 700 + 10 + 4$

d)  $9424 = 9000 + 400 + \quad + 4$

e)  $6630 = 6000 + \quad + 30$



3. Circle the larger number.
- a) 2334, 2343
  - b) 5101, 5011
  - c) 8787, 7887



4. Fill in the blanks.

a)  \_\_\_\_\_ min past 10

b)  \_\_\_\_\_ min to 7

c)  \_\_\_\_\_ min to 7

d)  \_\_\_\_\_ min past 8

5. Fill in the boxes.

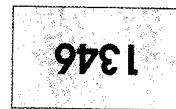
a) What number is 1 more than 999?

b) What number is 10 less than 5433?

c) What number is 100 more than 7122?


## Exercise 2

1. Look at the numbers shown below carefully and answer the questions that follow.



a) In which number does the digit 7 stand for '70'?

b) In which two numbers does the digit 6 stand for '6'?

c) In which number does the digit 2 stand for '2000'?

d) In which two numbers does the digit 8 stand for '800'?

e) Which is the largest number of them all?

2. Fill in the missing numbers.

e)  $2000 - 100 =$

c)  $2067 + 132 =$

a)  $1275 + 12 =$

f)  $3000 - 250 =$

d)  $3876 - 276 =$

b)  $1654 + 121 =$

5. Fill in the blanks.

- a) 3 h 30 min + 4 h = \_\_\_\_\_ h
- b) 2 h 15 min + 50 min = \_\_\_\_\_ min
- c) 1 h 38 min + 2 h = \_\_\_\_\_ h

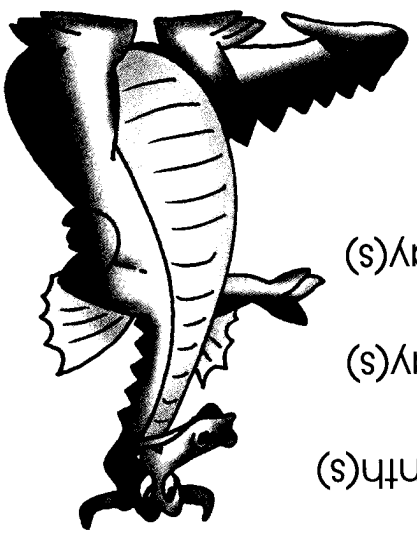
- a) \_\_\_\_\_ min + 40 min = \_\_\_\_\_ h
- b) \_\_\_\_\_ min + 12 min = \_\_\_\_\_ h

4. Circle the smaller number.

- a) 998      989
- b) 5841      5814
- c) 4755      4577
- d) 6366      6636

3. Fill in the blanks.

- a) 32 months = \_\_\_\_\_ year(s) \_\_\_\_\_ month(s)
- b) 15 months = \_\_\_\_\_ year(s) \_\_\_\_\_ month(s)
- c) 12 days = \_\_\_\_\_ week(s) \_\_\_\_\_ day(s)
- d) 24 days = \_\_\_\_\_ week(s) \_\_\_\_\_ day(s)
- e) 65 min = \_\_\_\_\_ h \_\_\_\_\_ min
- f) 120 s = \_\_\_\_\_ min \_\_\_\_\_ s





## Exercise 3

1. Maria opens her tailoring shop at 11.30 a.m. every morning. Her shop is open for 9 h 30 min every day. What time does she close her shop?

2. Jane volunteers once a week at the local Charity Club. She starts at 7.15 p.m. and finishes at 9.30 p.m. How much time does she spend volunteering every week?

3. At a walkathon, Ahmed started walking at 7.20 a.m. and completed the race at 9.35 a.m. How much time did he take?

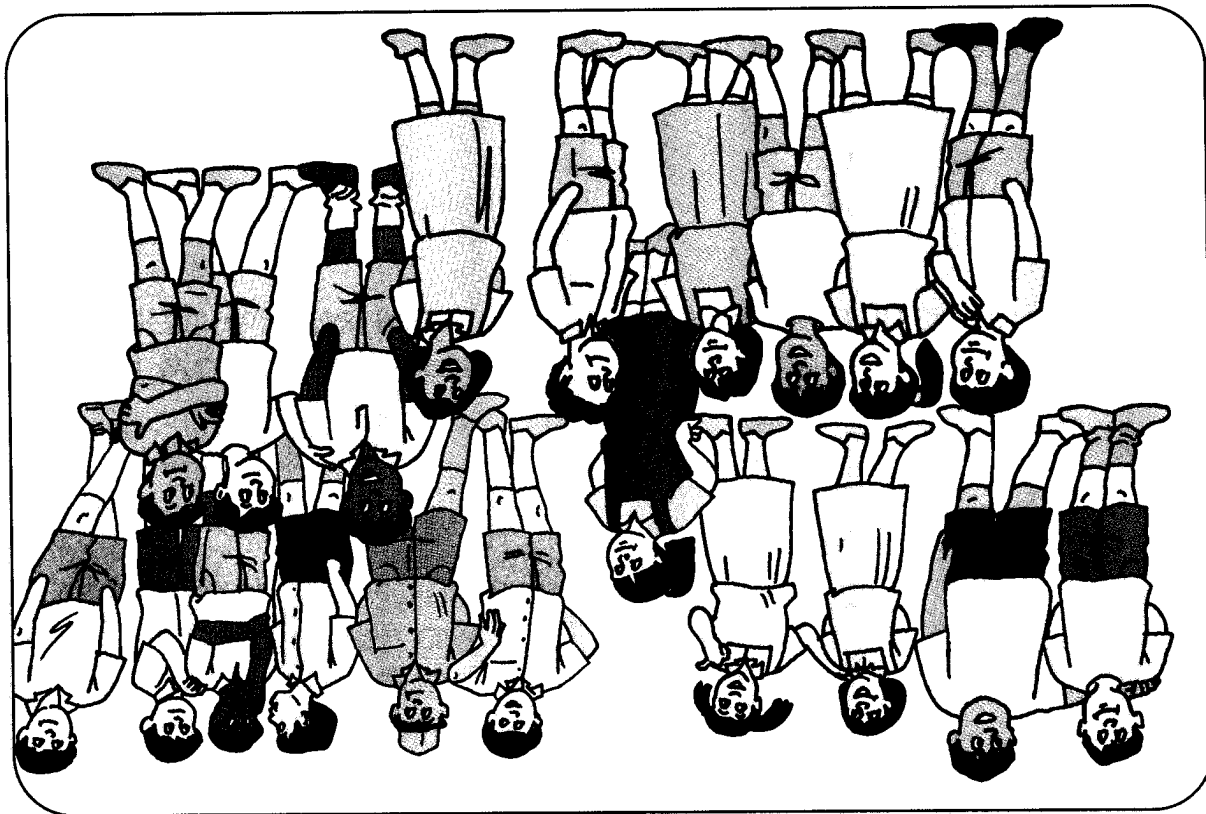
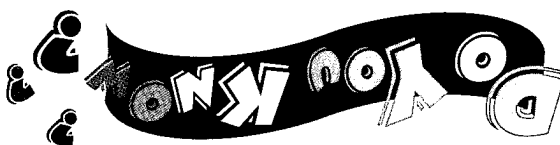
4. There were 8250 spectators at a tennis match. 6872 were men and the rest were women. How many women were there?

5. There were 1280 books on 2 shelves. 450 books were on the first shelf. How many books were there on the second shelf?



Group the children into groups of exactly 3 each.  
How many children do not belong to any group?

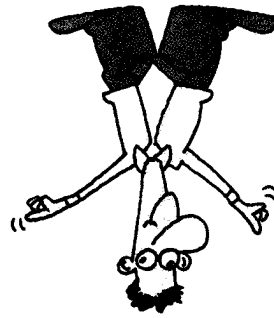
How many children are there altogether?



Do you notice any pattern in the table?

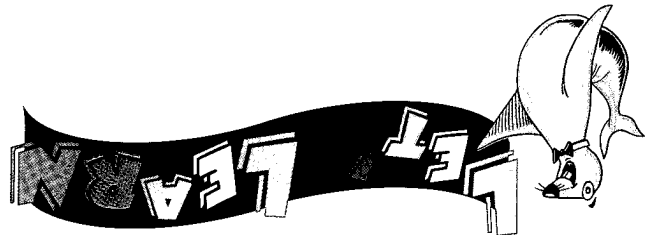
5	4	3	2	1	X
5	4	3	2	1	1
10	8	6	4	2	2
15	12	9	6	3	3
20	16	12	8	4	4
25	20	15	10	5	5

Do you remember multiplication-tables?



Previously we learnt the multiplication and division tables of 2, 3, 4, 5 and 10!

### Revising Multiplication



The answer is 16.  
We can say that the **product** of 8 and 2 is 16.

We can also write this as,

$$8 \times 2 = 16$$

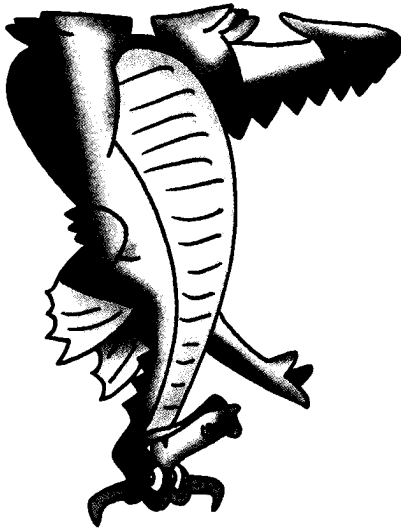
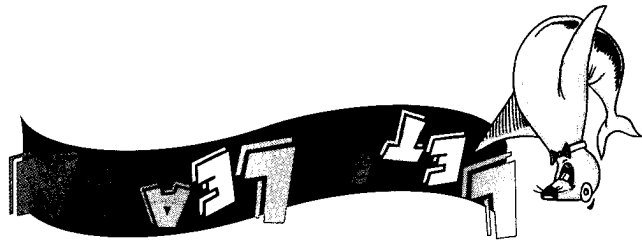
What is 8 multiplied by 2?

8 ones multiplied by 2 gives 16 ones.

$$\begin{array}{r} 16 \\ \times 2 \\ \hline 8 \end{array}$$



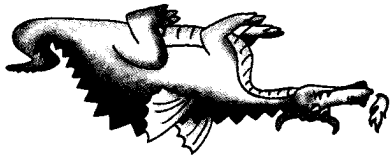
### Multiplying Ones, Tens and Hundreds



- a) 2, 4, 6, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- b) 3, 6, 9, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- c) 4, \_\_\_\_\_, 12, \_\_\_\_\_, 24, \_\_\_\_\_, 36, \_\_\_\_\_.
- d) \_\_\_\_\_, 15, 20, 25, \_\_\_\_\_, 45, \_\_\_\_\_.
- e) \_\_\_\_\_, 20, \_\_\_\_\_, 40, \_\_\_\_\_, 70, \_\_\_\_\_, 90, \_\_\_\_\_.

Identify the multiplication pattern and fill in the blanks.

**Let's Try**



The product is 696.

Finally we multiply the 2 hundreds by 3 to get 6 hundreds.

Then we multiply the 3 tens by 3 to get 9 tens.

First we multiply the 2 ones by 3 to get 6 ones.

$$\begin{array}{r} 232 \\ \times 3 \\ \hline 696 \end{array}$$

We can write this as,

$$232 \times 3 =$$

What is the product of 232 and 3?

100	100	100
10	10	10
1	1	1

Then we multiply the 2 tens by 4 to get 8 tens.

First we multiply the 1 one by 4 to get 4 ones.

10	10	10
1	1	1

The answer is 84.

$$\begin{array}{r} 21 \\ \times 4 \\ \hline 84 \end{array}$$

We can write this as,

$$21 \times 4 =$$

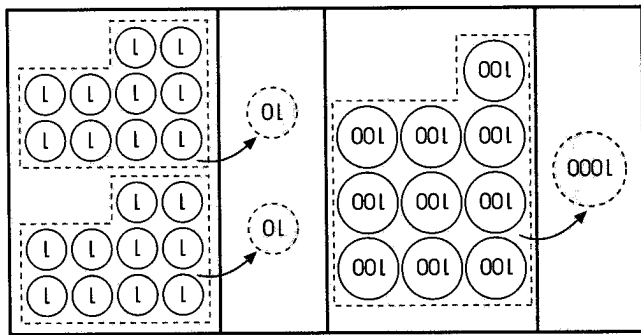
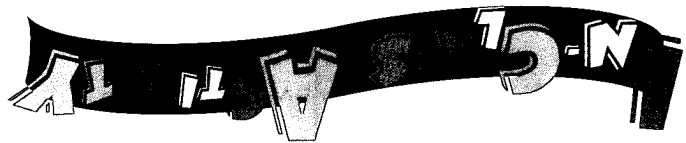
Find the product of 21 and 4.

Explain how you got the answer to your partner.

$257 \times 5$

$35 \times 5$

Work in pairs. Use base-ten materials to solve the following multiplications:



$204 \times 5 = \square$

$$\begin{array}{r} 204 \\ \times 5 \\ \hline 1020 \end{array}$$

$$\begin{array}{r} 204 \\ \times 5 \\ \hline 1020 \end{array}$$

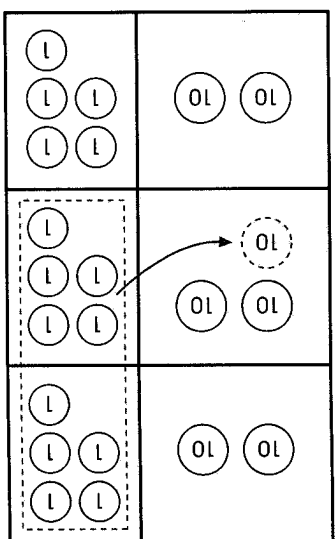
$$\begin{array}{r} 204 \\ \times 5 \\ \hline 1020 \end{array}$$

$$\begin{array}{r} 25 \\ \times 3 \\ \hline 75 \end{array}$$

Then we multiply 2 tens by 3 to get 6 tens. Finally, we add the 1 ten to the 6 tens to get 7 tens.

First we multiply 5 ones by 3 to get 15 ones. 15 ones can be renamed to 1 ten and 5 ones.

$25 \times 3 = \square$

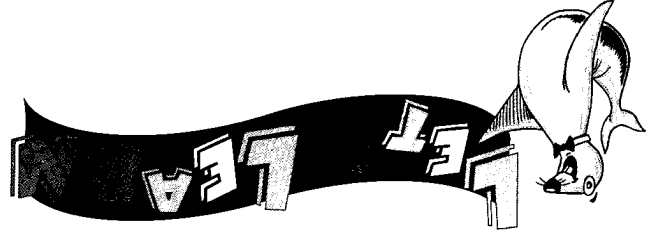


More Multiplication



David and John share 9 chocolate bars equally. How many chocolate bars does each of them get? How many chocolate bars are left over?

### Quotient and Remainder of Division



d)  $3 \times 203 =$

e)  $5 \times 390 =$

f)  $10 \times 52 =$

a)  $5 \times 6 =$

b)  $6 \times 25 =$

c)  $4 \times 58 =$

Fill in the blanks.

### Practice 4A

x 3

g) 55

x 5

d) 23

x 4

a) 6

x 5

h) 194

x 4

e) 200

x 4

c) 60

x 4

i) 805

x 2

f) 421

x 4

c) 600

Solve the following.

### Let's Try



b) What is the quotient and remainder when 37 is divided by 7?

a) What number can be multiplied by 7 to give a number closest to "37"?

1. Answer the following questions.

**Let's Try**

We say: When 23 is divided by 4, the **quotient** is 5 and the **remainder** is 3.  
There are 5 stamps on each page and 3 stamps left over.

Both "20" and "24" are close to "23". But "20" is the smaller number closest to "23".  
4 multiplied by 5 gives "20".

$4 \times 4 = 16$   
 $4 \times 5 = 20$   
 $4 \times 6 = 24$

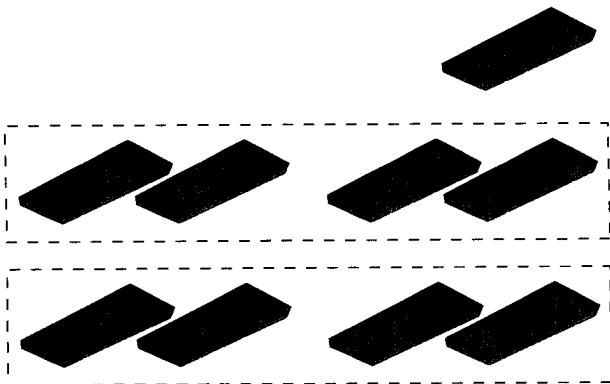
$$\begin{array}{r} 5 \text{ R } 3 \\ 4 \overline{) 23} \\ \underline{- 20} \\ 3 \end{array}$$

$23 \div 4 = 5 \text{ R } 3$

Ravi has 23 stamps. He pastes them equally onto 4 pages. How many stamps are there on each page? How many stamps are left over?

We say: When 9 is divided by 2, the **quotient** is 4 and the **remainder** is 1.

Each of them gets 4 chocolate bars and 1 chocolate bar is left over.



$$\begin{array}{r} 4 \leftarrow \text{Quotient} \\ 2 \overline{) 9} \\ \underline{- 8} \\ 1 \leftarrow \text{Remainder} \end{array}$$

$9 \div 2 = 4 \text{ remainder } 1$   
 or  $= 4 \text{ R } 1$



When 79 is divided by 2, the quotient is \_\_\_\_\_ and the remainder is \_\_\_\_\_.

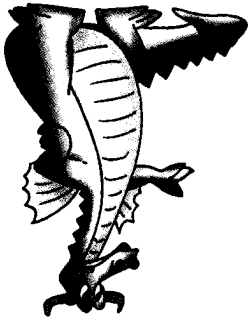
$$\begin{array}{r} 1 \\ \hline -18 \\ 19 \\ \hline -6 \\ \hline 2 \overline{)79} \\ 39 \end{array}$$

$2 \times 8 = 16$   
 $2 \times 9 = 18$   
 $2 \times 10 = 20$

"18" is the smaller number closest to "19"!

$19 \text{ ones} \div 2 = ?$   
 $19 \text{ ones} \div 2 = 9 \text{ R}1$

$9 \text{ ones} + 10 \text{ ones} = 19 \text{ ones}$



1 ten = 10 ones

1 ten is the remainder

$$\begin{array}{r} 1 \longrightarrow \\ \hline -6 \\ 2 \overline{)79} \\ 3 \end{array}$$

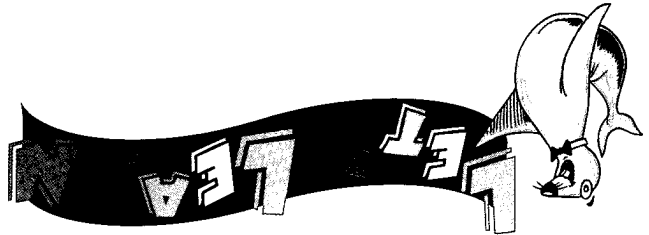
$7 \text{ tens} \div 2 = ?$   
 $7 \text{ tens} \div 2 = 3 \text{ R}1$

$2 \times 2 = 4$   
 $2 \times 3 = 6$   
 $2 \times 4 = 8$

Both "8" and "6" are close to "7". But "6" is less than "7". We choose the smaller number!

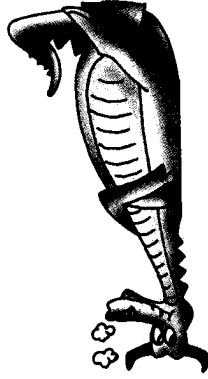
Divide 79 by 2.

### Dividing Hundreds, Tens and Ones



2. Find the quotient and remainder in each of the following.
- a)  $4 \overline{)9}$
  - b)  $5 \overline{)17}$
  - c)  $5 \overline{)49}$

Groups of \_\_\_\_\_ and \_\_\_\_\_ do not have any remainders.

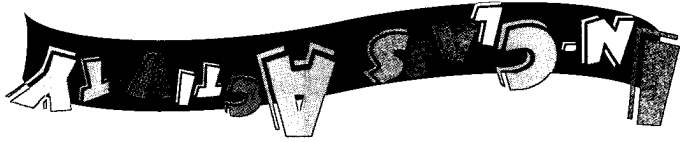


I can arrange them in 6 groups of 4,

I can arrange them in 2 groups of 10, and 1 group of four.

Bring 24 beans or counters. Can you arrange them in groups of 2, 3, 4, 5 or 10 without any remainder?

**Quotient & Remainder**



When 127 is divided by 3, the quotient is \_\_\_\_\_ and the remainder is \_\_\_\_\_.

$$\begin{array}{r} 42 \\ 3 \overline{) 127} \\ \underline{-12} \\ 7 \end{array}$$

$3 \times 2 = 6$

$7 \text{ ones} \div 3 = 2 \text{ R}1$

$$\begin{array}{r} 4 \\ 3 \overline{) 127} \\ \underline{-12} \\ 0 \end{array}$$

$3 \times 4 = 12$

$12 \text{ tens} \div 3 = 4$

Divide 127 by 3.

## Let's Try

Divide the following.

a)  $2 \overline{) 57}$

c)  $5 \overline{) 77}$

b)  $4 \overline{) 92}$

d)  $3 \overline{) 642}$

## Practice 4B

Write the quotient and remainder in the given boxes.

a)  $9 \div 2 =$

b)  $128 \div 3 =$

c)  $11 \div 3 =$

d)  $143 \div 2 =$

e)  $40 \div 5 =$

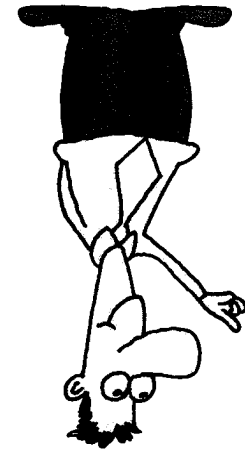
f)  $163 \div 4 =$

g)  $38 \div 6 =$

h)  $182 \div 9 =$

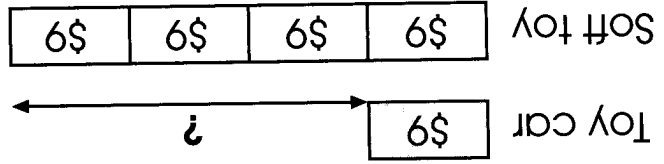
i)  $27 \div 4 =$

j)  $207 \div 4 =$



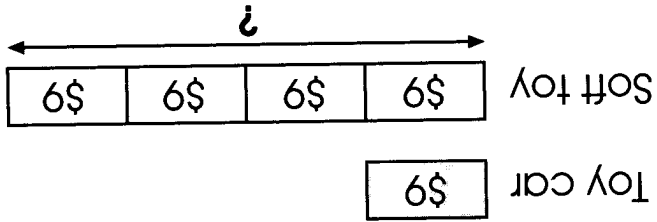
The soft toy costs \$27 more than the toy car.

$$\begin{aligned} 1 \text{ unit} &= \$9 \\ 3 \text{ units} &= \$9 \times 3 \\ &= \$27 \end{aligned}$$

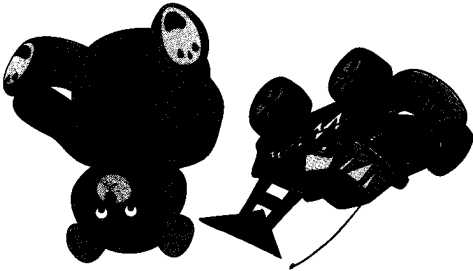


b) How much more does the soft toy cost than the toy car?

The cost of the soft toy is \$36.



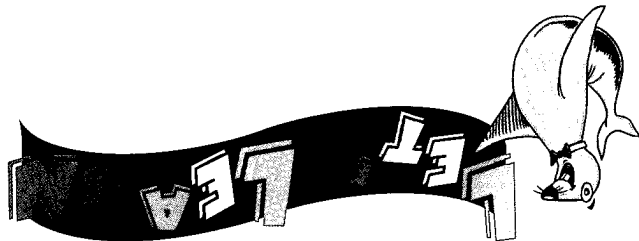
$$\$9 \times 4 = \$36$$

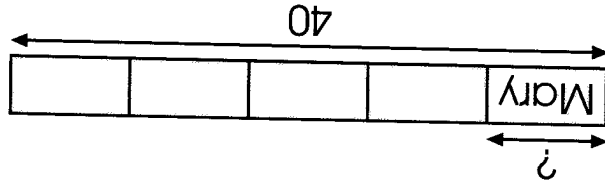
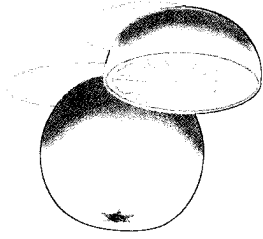


a) What is the cost of the soft toy?

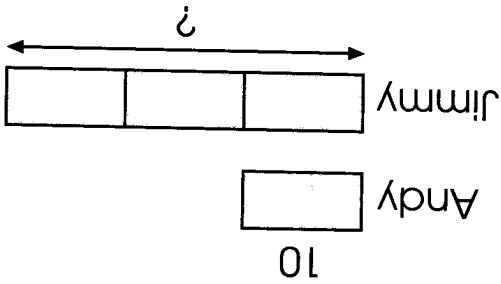
A toy car costs \$9. A soft toy costs 4 times as much as the toy car.

**Word Problems**





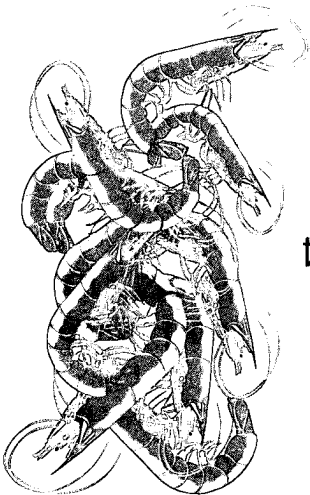
2. Mary bought 40 oranges from the supermarket. She shared them equally with 4 other children. How many oranges did each of them get?



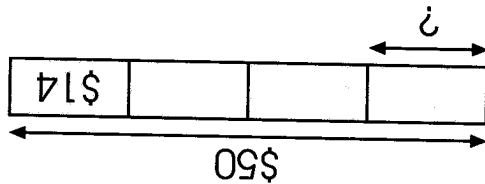
1. Andy had 10 marbles. Jimmy had 3 times as many as Andy. How many marbles did Jimmy have? How many marbles did the two children have altogether?

**Let's Try**

3 kg of shrimp cost = \$36  
 1 kg of shrimp cost =  $\$36 \div 3$   
 = \$12  
 1 kg of shrimp cost \$12.



Amount of money spent on shrimp = \$50 - \$14  
 = \$36



Maria had \$50. After paying for 3 kg of shrimp, she had \$14 left. How much did 1 kg of shrimp cost?

**Practice 4C**

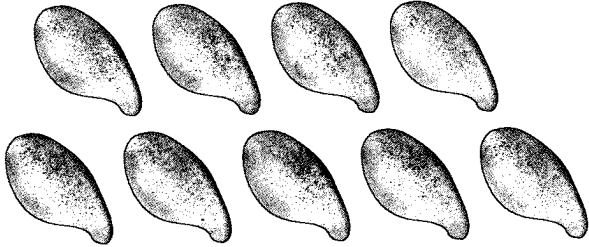
Draw the model diagram for each problem and then work out the answers.

1. Kelvin had 7 story books. His sister had 3 times as many story books as him. How many story books did his sister have?

2. There are 35 monkeys in a zoo. There are 5 times as many monkeys as tigers. How many tigers are there?



3. Joyce bought 9 mangoes. She bought twice as many kiwi fruits as mangoes. How many kiwi fruits than mangoes did she buy?



How much money does Jane's mother have in her bag?  
Can she buy all the things she needs on her list?



Jane's mother has drawn up a shopping list for this week.

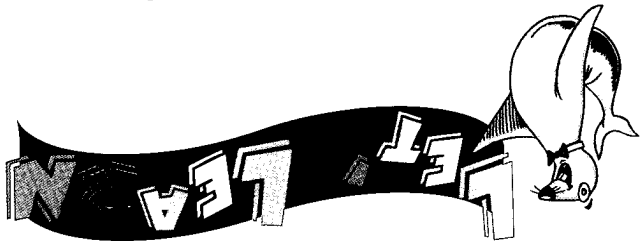
**Mom's Shopping List**

- Rice - \$5.60
- Butter - \$3.50
- Cooking oil - \$4.80
- Soy Sauce - \$2.10
- Towel - \$4.50

**Total = \$20.50**

For this week:

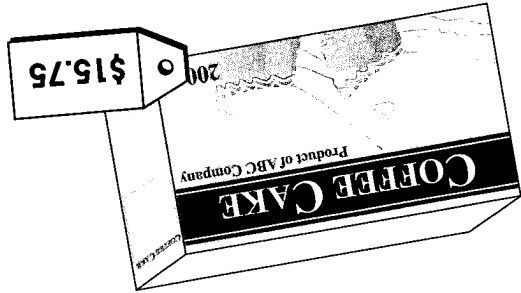
All these things would cost me \$20.50!



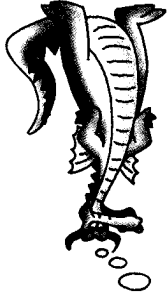
## Revising Dollars and Cents

The dot (•) separates the dollars from the cents.

$$100\text{¢} = \$1$$

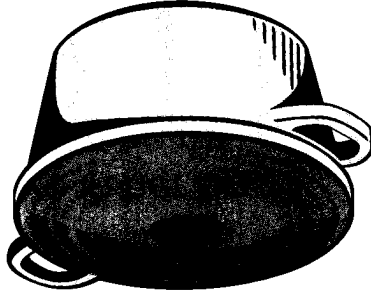


The cake costs fifteen dollars and seventy-five cents.



The rice cooker costs forty-five dollars and fifty cents.

45 dollars 50 cents can be written as \$45.50.



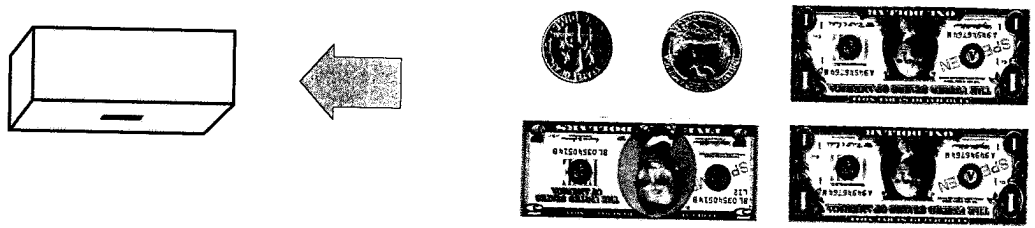


**Let's Try**

1. Complete the following.

- a)  $\$2.10$        $10\text{¢}$
- b)  $\$10.05$        $\$$
- c)  $\$6.15$        $\text{¢}$

2. How much money is there in the box?



\_\_\_\_\_ dollars \_\_\_\_\_ cents.

We write this as \$ \_\_\_\_\_.

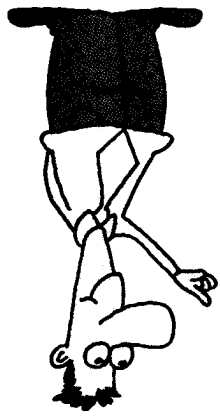
**Practice 5A**

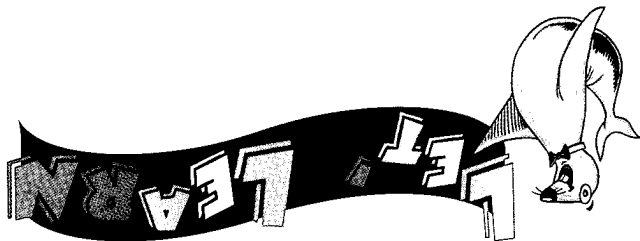
Write in dollars and cents.

- a) 70¢ : \_\_\_\_\_ dollars \_\_\_\_\_ cents
- b) \$25.30 : \_\_\_\_\_ dollars \_\_\_\_\_ cents
- c) \$11.05 : \_\_\_\_\_ dollars \_\_\_\_\_ cents
- d) 860¢ : \_\_\_\_\_ dollars \_\_\_\_\_ cents



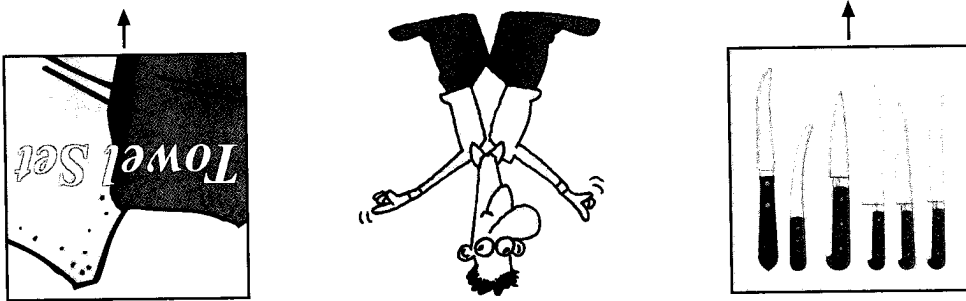
**Workbook Exercise 1**





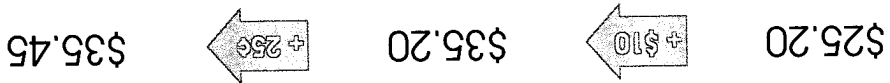
### Adding Money

Maria bought 2 items from the departmental store. Here is how much she paid.



We add \$25.20 and \$10.25

### Method 1:



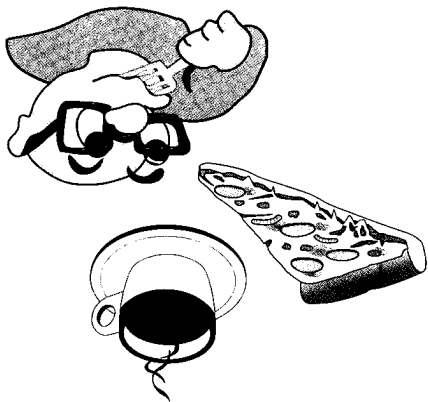
### Method 2:

$$\begin{array}{r}
 \$25.20 \\
 + \$10.25 \\
 \hline
 \$35.45
 \end{array}$$

Maria paid \$35.45 altogether.

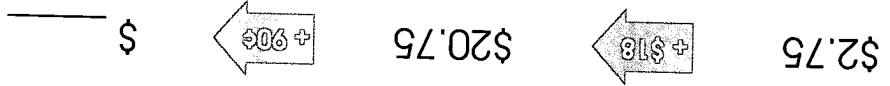
# Let's Try

1. Thomas had a meal at the cafe. Look at his bill. How much did he spend in all?



**Coffee Corner**  
 Coffee: \$ 2.75  
 Pizza: \$ 18.90

Method 1:



Method 2:

$$\begin{array}{r}
 \$ 2.75 \\
 + \$ 18.90 \\
 \hline
 \$ 21.65
 \end{array}$$

$$\begin{array}{r}
 \$ 20.75 \\
 + \$ 1.65 \\
 \hline
 \$ 22.40
 \end{array}$$

75¢ + 90¢ = 165¢ = \$1.65

2. Do the following additions.

a)

$$\begin{array}{r}
 \$ 15.60 \\
 + \$ 4.20 \\
 \hline
 \end{array}$$

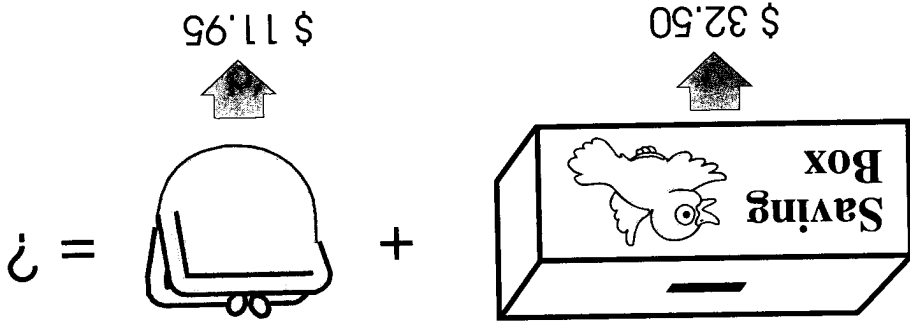
b)

$$\begin{array}{r}
 \$ 25.40 \\
 + \$ 5.70 \\
 \hline
 \end{array}$$

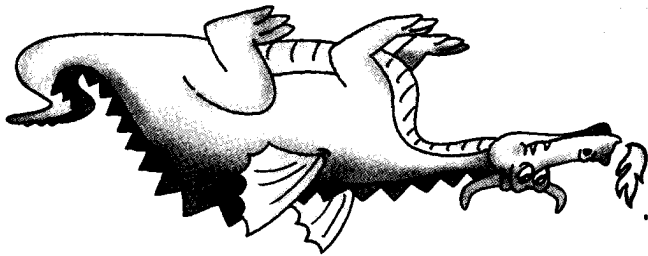
c)

$$\begin{array}{r}
 \$ 35.60 \\
 + \$ 16.45 \\
 \hline
 \end{array}$$





3. Rachel counted the money in her savings box and in her purse. Add to find out how much money she has altogether.



2. Add to find the total value.

b)  $\$12.20 + 75\text{¢} =$

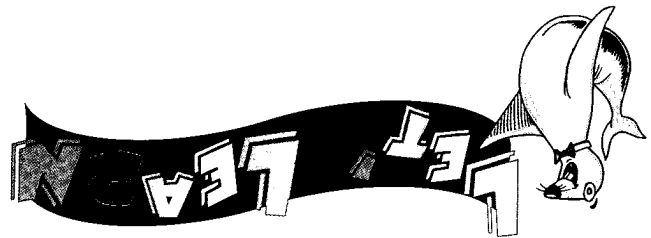
a)  $\$1.50 + 40\text{¢} =$

b)  $\$25.90 + \$6 =$  \_\_\_\_\_

a)  $\$12.75 + \$5 =$  \_\_\_\_\_

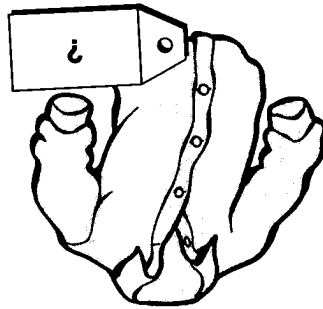
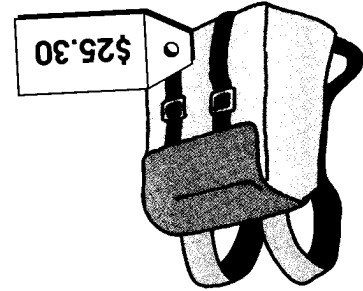
1. Add and fill in the boxes.

Practice 5B



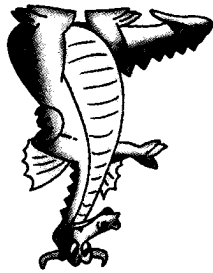
### Subtracting Money

Mary bought these 2 items - a bag and a blouse. The total cost was \$40.50.

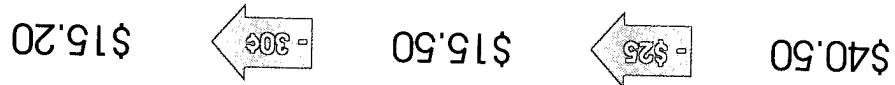


How much did the blouse cost?

We subtract \$25.30 from \$40.50.



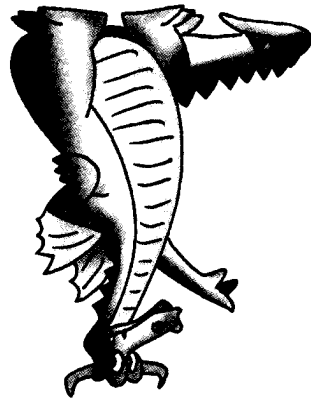
Method 1:



Method 2:

$$\begin{array}{r}
 \$40.50 \\
 - \$25.30 \\
 \hline
 \$15.20
 \end{array}$$

The blouse cost \$15.20.

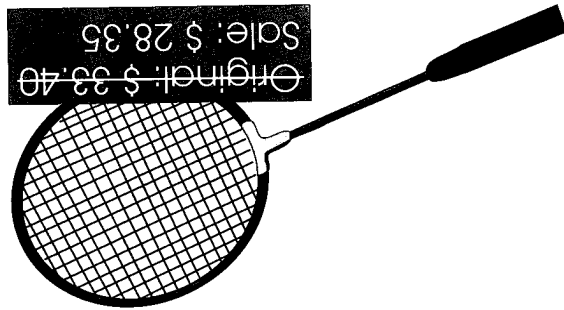


# Let's Try

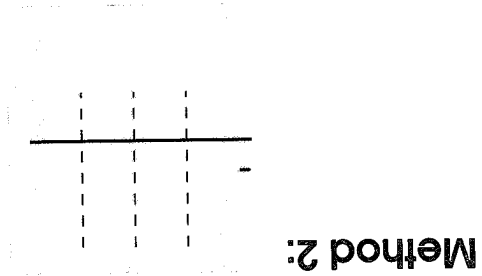
Work in pairs. Each of you think of one item and decide how much it costs (the price must be reasonable). Write this secretly on a piece of paper. Show the pieces of paper to each other. Whose item is more expensive? How much more expensive? What is the total cost of the two items?

## Let's Try

Jane bought a badminton racket at a sale.



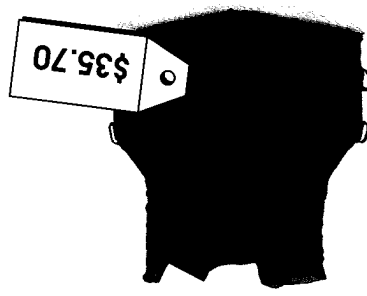
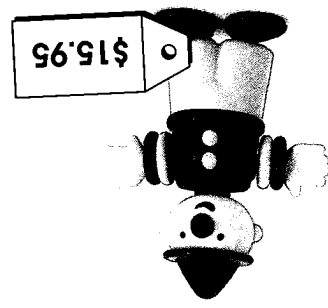
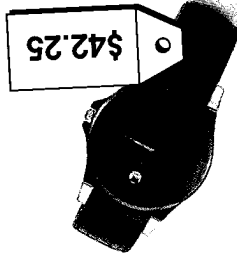
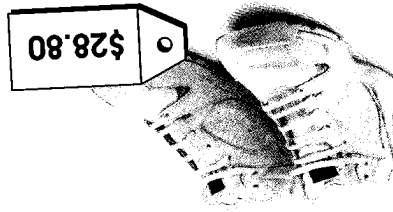
How much cheaper is the badminton racket at the sale? Use both methods to find the answer.



The badminton racket is \$\_\_\_\_\_ cheaper.

# Practice 5C

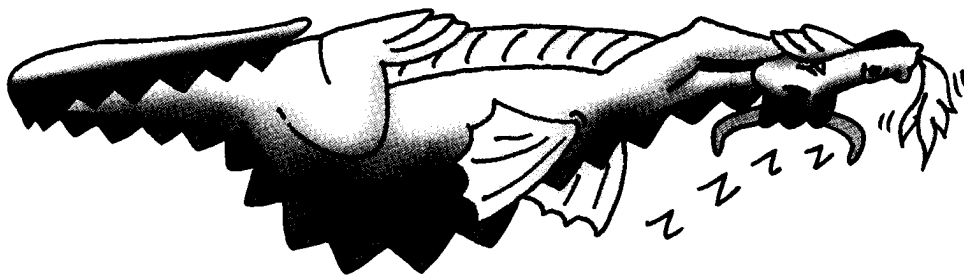
1. Write the change you would receive if you gave the cashier \$50 for each item.



2. Andy bought two shirts. One shirt cost \$33.50 and the other 27.99. If he gave the cashier a hundred dollar note, how much change did he receive?

3. Rani bought a purse for \$53.90. She gave the sales assistant a hundred dollar note. The sales assistant gave her \$37.10 as change. Did Rani receive the right change? If not, what should the correct change be?





My Weekly Expenses

Do you know how much you spend every week?

Keep a record of your expenses this week.

For example:

**Mon**

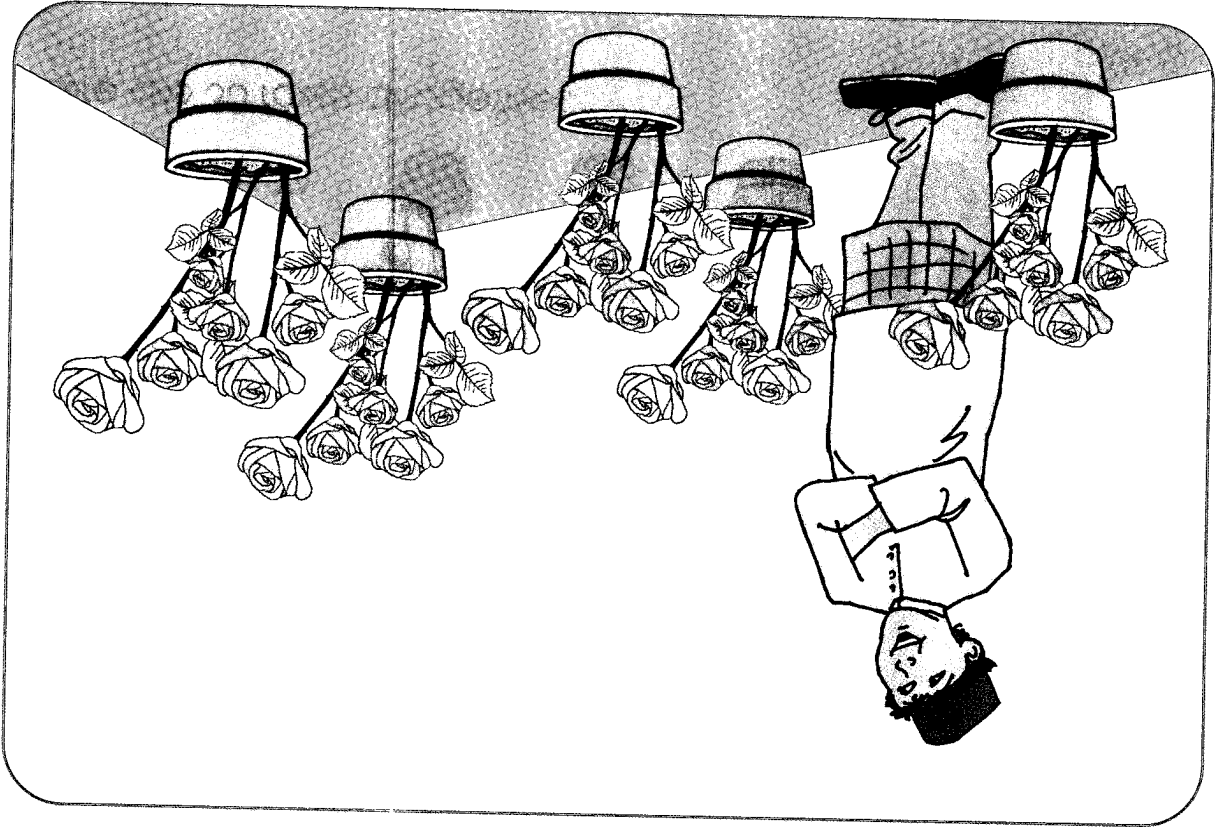
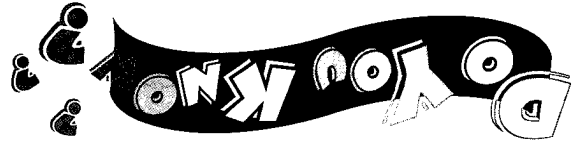
Food for lunch	: 50¢
Drink for lunch	: 30¢
Pencil	: 20¢
Total	: \$1.00

Make a record like this for all days of the week.





What is the total number of roses in Ahmed's house?  
Write a multiplication statement to show this.

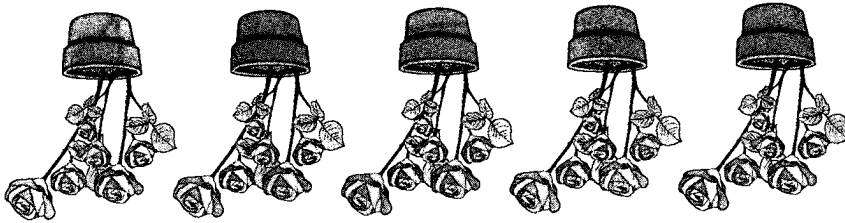




$5 \times 6 = 30$	$10 \times 6 = 60$
$4 \times 6 = \underline{\quad}$	$9 \times 6 = \underline{\quad}$
$3 \times 6 = \underline{\quad}$	$8 \times 6 = 48$
$2 \times 6 = 12$	$7 \times 6 = \underline{\quad}$
$1 \times 6 = \underline{\quad}$	$6 \times 6 = 36$

Complete the multiplication table of 6:

There are 30 roses altogether.



or,  $6 \times 5 = 30$

or,  $5 \times 6 = 30$

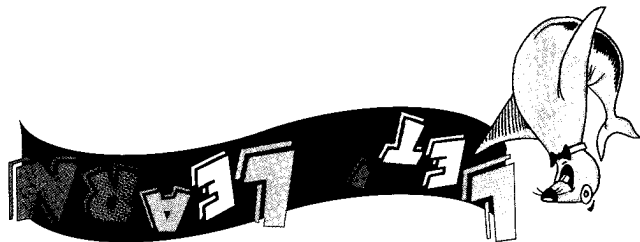
$6 + 6 + 6 + 6 + 6$

How many roses are there altogether in 5 such pots?

This pot has 6 roses.



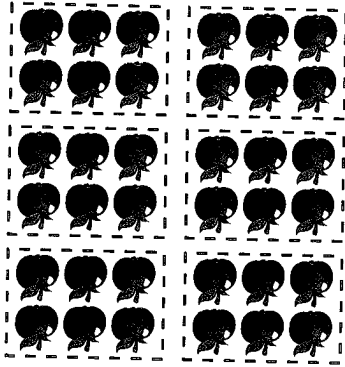
### Multiplying and Dividing by 6





Each person got 6 apples.

$$6 \times 6 = 36$$



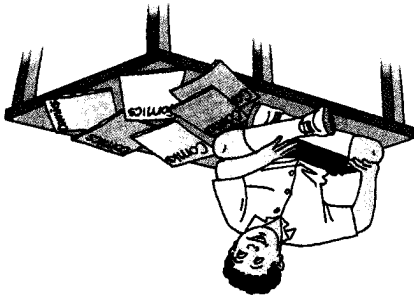
$$\begin{array}{r} 0 \\ - 36 \\ \hline 6 \overline{) 36} \\ 6 \end{array}$$

$$36 \div 6 = 6$$

Sarah and her 5 friends shared 36 apples equally. How many apples did each person get?

Division

Ravi read 690 pages altogether.

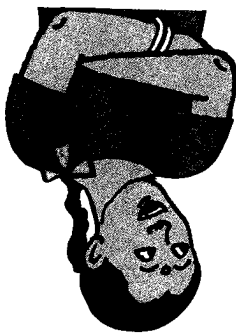


$$\begin{array}{r} 115 \\ \times 6 \\ \hline 690 \end{array}$$

$$115 \times 6 = 690$$

Ravi read 6 story books. If there are 115 pages in one story book, how many pages did he read altogether?

Rani has 90 stickers altogether.



$$\begin{array}{r} 15 \\ \times 6 \\ \hline 90 \end{array}$$

We can write this as:

$$15 \times 6 = 90$$

Rani has 15 stickers on each page of her album. If her album has 6 pages in all, how many stickers are there altogether?



$$\text{d) } 6 \overline{) 115}$$

$$\text{e) } 6 \overline{) 239}$$

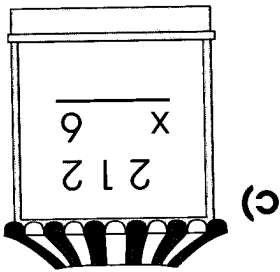
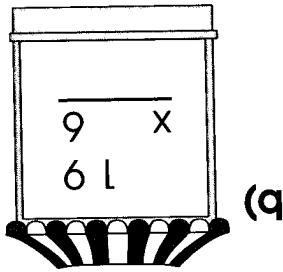
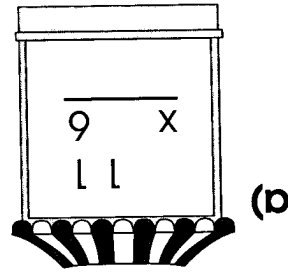
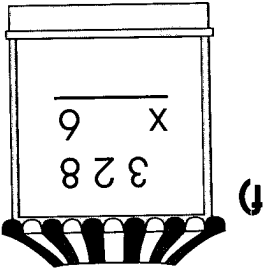
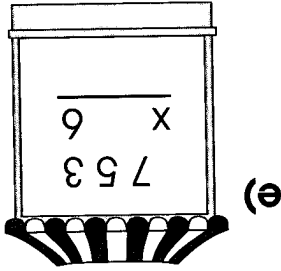
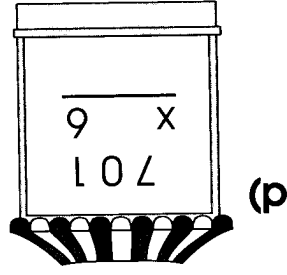
$$\text{f) } 6 \overline{) 518}$$

$$\text{a) } 6 \overline{) 27}$$

$$\text{b) } 6 \overline{) 49}$$

$$\text{c) } 6 \overline{) 90}$$

2. Find the quotient and remainder for each of the following.



1. Complete the following multiplications.

Let's Try

left over.

There were 16 cup cakes in each box and 4 cup cakes were

$$\begin{array}{r} 6 \overline{) 100} \\ \underline{60} \\ 40 \\ \underline{36} \\ 4 \end{array}$$

16 ← quotient

4 ← remainder



$$\begin{array}{r} 1 \\ 6 \overline{) 100} \\ \underline{60} \\ 40 \end{array}$$

$$100 \div 6 = 16 R 4$$

Joyce made 100 cup cakes. She packed them into 6 boxes and put the same number of cup cakes in each box. How many cup cakes were there in each box? How many were left over?

## Practice 6A

1. Multiply the following.

a)  $8 \times 6$

b)  $12 \times 6$

c)  $22 \times 6$

d)  $48 \times 6$

e)  $125 \times 6$

f)  $266 \times 6$

2. Divide the following.

a)  $66 \div 6$

b)  $72 \div 6$

c)  $114 \div 6$

d)  $418 \div 6$

e)  $585 \div 6$

f)  $806 \div 6$

### Workbook Exercise 1



### Multiplying & Dividing by 7

There are seven cups on each tray.



How many cups are there altogether on 3 trays?

$$3 \times 7 = 21$$

$$\text{or, } 7 \times 3 = 21$$

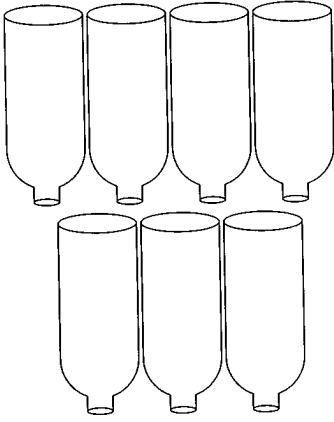


There are 21 cups altogether.





There are 833 beads altogether.

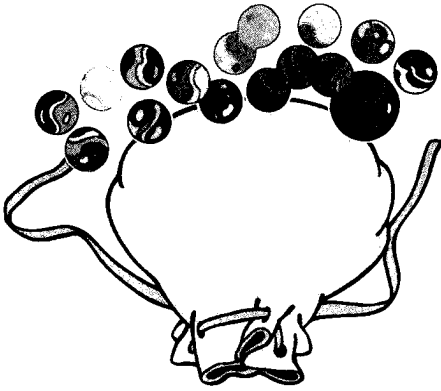


$$\begin{array}{r} 119 \\ \times 7 \\ \hline 833 \end{array}$$

$119 \times 7 = 833$

Susan has 7 bottles. There are 119 beads in each bottle. How many beads are there altogether?

There are 196 marbles altogether.



$$\begin{array}{r} 28 \\ \times 7 \\ \hline 196 \end{array}$$

$28 \times 7 = 196$

There are 7 marbles in each packet. How many marbles are there in 28 packets?

$1 \times 7 = 7$	$6 \times 7 = 42$
$2 \times 7 = 14$	$7 \times 7 = \underline{\quad}$
$3 \times 7 = \underline{\quad}$	$8 \times 7 = 56$
$4 \times 7 = \underline{\quad}$	$9 \times 7 = \underline{\quad}$
$5 \times 7 = 35$	$10 \times 7 = 70$

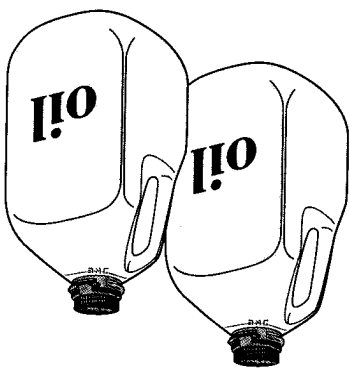
Complete the multiplication table of 7.

- 300 liters of oil is poured equally into 7 tins.  
 a) How many liters of oil are there in each tin?  
 b) How many liters of oil are left?

$$300 \div 7 = 42 \text{ R } 6$$

$$\begin{array}{r} 42 \text{ R } 6 \\ 7 \overline{) 300} \\ \underline{-28} \phantom{0} \\ 20 \phantom{0} \\ \underline{-14} \phantom{0} \\ 6 \phantom{0} \end{array}$$

- a) There are 42 liters of oil in each tin.  
 b) 6 liters of oil are left.



### Let's Try

1. Joyce baked 245 muffins for a party. She put 7 muffins on each paper plate. How many paper plates did she use?

$$\begin{array}{r} 7 \overline{) 245} \\ \underline{-21} \phantom{0} \\ 245 \phantom{0} \\ \underline{-21} \phantom{0} \\ 35 \phantom{0} \\ \underline{-35} \phantom{0} \\ 0 \phantom{0} \end{array}$$

How many groups of 7?



She used \_\_\_\_\_ paper plates.

2. Complete the following multiplications and divisions.

a) 
$$\begin{array}{r} 31 \\ \times 7 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 131 \\ \times 7 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 277 \\ \times 7 \\ \hline \end{array}$$

d) 
$$7 \overline{) 64}$$

e) 
$$7 \overline{) 179}$$

f) 
$$7 \overline{) 870}$$

## Practice 6B

1. Multiply the following.

a)  $19 \times 7 =$

c)  $115 \times 7 =$

b)  $33 \times 7 =$

d)  $401 \times 7 =$

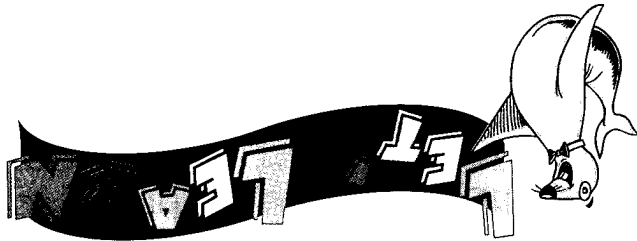
2. Find the quotient and remainder in each of the following.

a)  $7 \overline{) 20}$

b)  $7 \overline{) 65}$

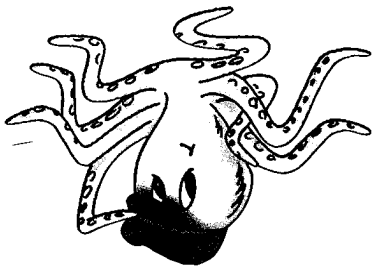
c)  $7 \overline{) 120}$

d)  $7 \overline{) 345}$



## Multiplying & Dividing by 8

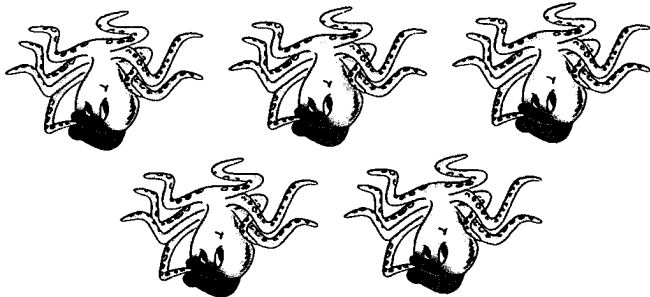
There are 8 tentacles on an octopus.



How many tentacles are there on 5 octopuses in all?

$5 \times 8 = 40$

or,  $8 \times 5 = 40$

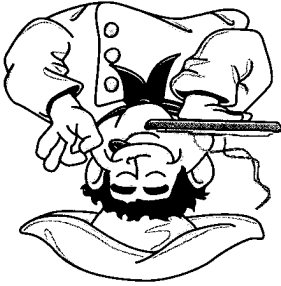


There are 40 tentacles in all.





- a) There are 43 cakes in each packet.
- b) There are 6 cakes left over.



$$\begin{array}{r}
 43 \text{ R } 6 \\
 8 \overline{) 350} \\
 \underline{- 32} \phantom{0} \\
 30 \phantom{0} \\
 \underline{- 24} \\
 6
 \end{array}$$

$$350 \div 8 = \text{R}$$

- a) How many cakes are there in each packet?
- b) How many cakes are left over?

Mr. Smith, the baker, made 350 cakes. He packed them equally into 8 packets.

### Division

There are \_\_\_\_\_ apartments altogether.

$$\begin{array}{r}
 216 \\
 \times 8 \\
 \hline
 1728
 \end{array}$$

$$216 \times 8 =$$

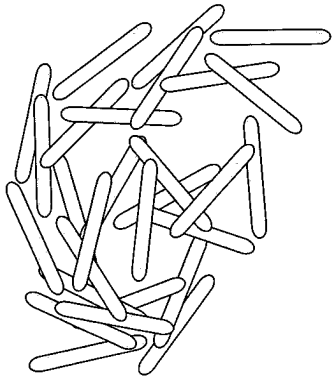
Sunnydale Estate has 8 apartment buildings. There are 216 apartments in each building. How many apartments are there altogether?

$1 \times 8 = 8$	$6 \times 8 = \underline{\quad}$
$2 \times 8 = \underline{\quad}$	$7 \times 8 = 56$
$3 \times 8 = 24$	$8 \times 8 = \underline{\quad}$
$4 \times 8 = \underline{\quad}$	$9 \times 8 = 72$
$5 \times 8 = 40$	$10 \times 8 = \underline{\quad}$

Complete the following table:

# IN-GASS AGILITY

Work in groups. Each group brings 64 ice-cream sticks. First divide the sticks into groups of 6, then 7 and finally 8. How many groups and leftovers do you get each time?



## Let's Try

1. Complete the following. Show your working clearly.

$$\begin{array}{r} 356 \\ \times 8 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 22 \\ \times 8 \\ \hline \end{array}$$

a)

$$\begin{array}{r} 208 \\ \times 8 \\ \hline \end{array}$$

d)

$$\begin{array}{r} 560 \\ \times 8 \\ \hline \end{array}$$

c)

## Practice 6C

1. Fill in the blanks.

a)  $4 \times \quad = 32$

b)  $8 \times \quad = 48$

c)  $128 \div 8 =$

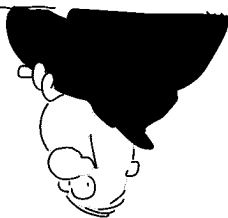
d)  $288 \div 8 =$

e)  $71 \times 8 =$

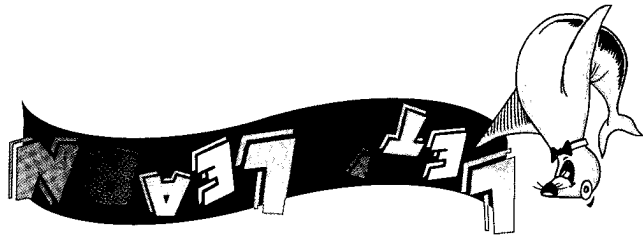
f)  $216 \div 8 =$

g)  $12 \times 8 =$

h)  $\quad \div 8 = 48$



2. There are 8 classes in Grade 3. Each class has 39 students. How many students are there in Grade 3?
3. Joyce gave a box of cookies each to 8 children. If each box of cookies has 18 cookies, how many cookies did she give to the children in all?

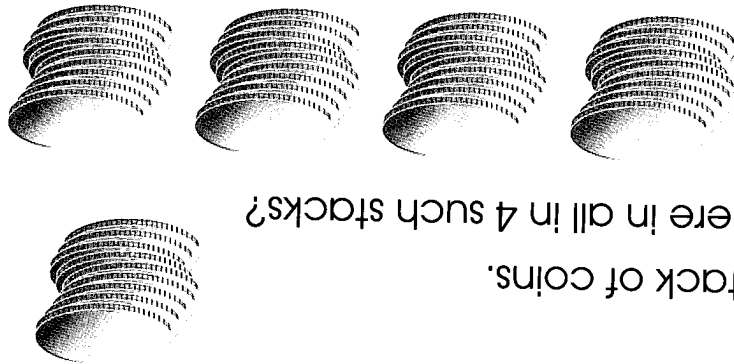


## Multiplying & Dividing by 9

Multiplication

There are 9 coins in a stack of coins.

How many coins are there in all in 4 such stacks?



$4 \times 9 = 36$   
or  $9 \times 4 = 36$

There are 36 coins in all.



in the last group.

There were 27 students in each of the 9 groups and 7 students

$$\begin{array}{r}
 27 \text{ R } 7 \\
 9 \overline{) 250} \\
 \underline{18} \phantom{0} \\
 70 \\
 \underline{63} \\
 7
 \end{array}$$

$250 \div 9 =$

- a)** How many students were there in each of the 9 groups?  
**b)** How many students were there in the last group?

There were 250 students in the Volunteer Club. The students were divided equally into 9 groups. The remaining students were put into the last group.

Division

\_\_\_\_\_ bottles of tomato ketchup are produced altogether.



$$\begin{array}{r}
 1017 \\
 \times 9 \\
 \hline
 113
 \end{array}$$

$113 \times 9 =$

A factory has 9 machines. Each machine produces 113 bottles of tomato ketchup in a day. How many bottles of tomato ketchup are produced altogether in a day?

$1 \times 9 = \underline{\quad}$	$5 \times 9 = \underline{\quad}$
$2 \times 9 = \underline{\quad}$	$4 \times 9 = \underline{\quad}$
$3 \times 9 = \underline{\quad}$	$3 \times 9 = \underline{\quad}$
$7 \times 9 = \underline{\quad}$	$8 \times 9 = \underline{\quad}$
$6 \times 9 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$
	$10 \times 9 = \underline{\quad}$

Build the 9 times table:



a)  $15 \times 9 = \underline{\hspace{2cm}}$

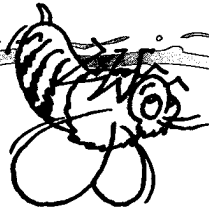
b)  $9 \times \underline{\hspace{2cm}} = 63$

c)  $23 \times 9 = \underline{\hspace{2cm}}$

d)  $27 \div 9 = \underline{\hspace{2cm}}$

e)  $\underline{\hspace{2cm}} \div 9 = 22$

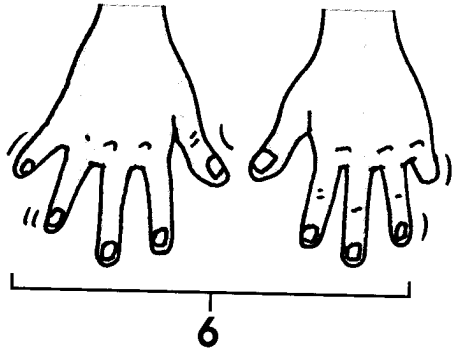
f)  $279 \div 9 = \underline{\hspace{2cm}}$



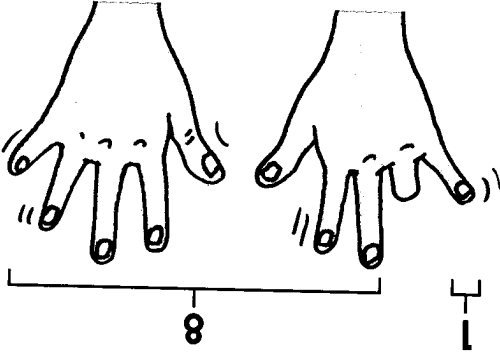
1. Fill in the blanks.

**Let's Try**

$1 \times 9 = 9$



$2 \times 9 = 18$



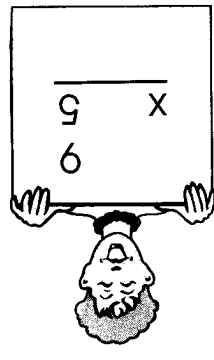
Express the 9 times table using your hands as shown:  
Example:

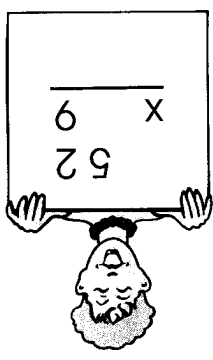


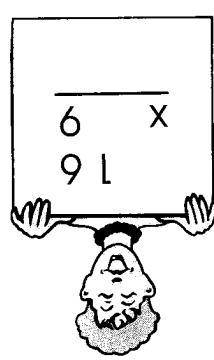
**Practice 6D**

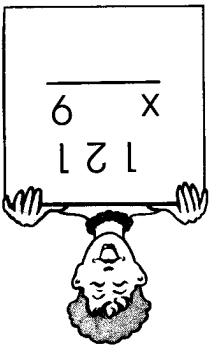
2. Maria divided 524 by 9 and got the answer 56 R 5. Is this correct? Why or why not?
3. The concert hall has 9 chairs per row. If 128 students filled as many rows as possible, how many rows were completely filled? How many more students were needed to fill the next row?

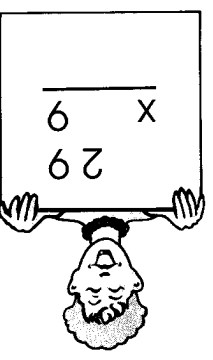
1. Solve the following.

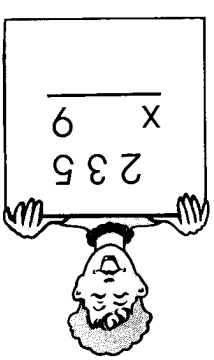
a) 

b) 

c) 

d) 

e) 

f) 

2. Find the quotient and remainder in each of the following.

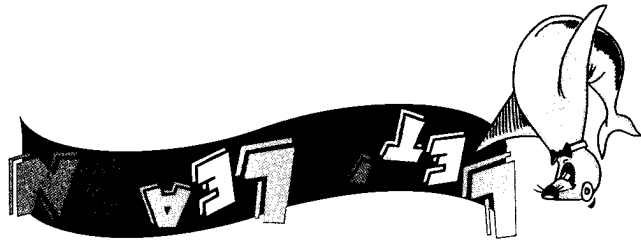
- a)  $9 \overline{) 190}$
- b)  $9 \overline{) 255}$
- c)  $9 \overline{) 346}$
- d)  $9 \overline{) 413}$
- e)  $9 \overline{) 690}$
- f)  $9 \overline{) 917}$

What is the total number of beetles?  
 How many more red beetles are there than green beetles?



26

64



### Mental Addition & Subtraction

Addition

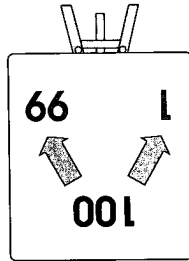
Add 28 and 99.

Method 1:

$$\begin{aligned}
 &28 + 99 \\
 &= 27 + 1 + 99 \\
 &= 27 + 100 \\
 &= 127
 \end{aligned}$$

Look at "99".

We can add "1" to "99" to make "100".



Method 2:

$$\begin{aligned}
 &28 + 99 \\
 &= 28 + 100 - 1 \\
 &= 128 - 1 \\
 &= 127
 \end{aligned}$$

$$100 - 1 = 99$$

What is a quicker way to add 56 and 38?

Method 1:

$$\begin{aligned}
 &56 + 38 \\
 &= 56 + 40 - 2 \\
 &= 96 - 2 \\
 &= 94
 \end{aligned}$$

Method 2:

$$\begin{aligned}
 &56 + 38 \\
 &= 30 + 8 \\
 &= 56 + 30 + 8 \\
 &= 86 + 8 \\
 &= 86 + 4 + 4 \\
 &= 90 + 4 \\
 &= 94
 \end{aligned}$$

Which method do you prefer? Can you think of other ways?

### Let's Try

Do each of the additions below using as many methods of mental calculations as you can.

a)  $8 + 9 =$

c)  $24 + 99 =$

b)  $11 + 19 =$

d)  $81 + 25 =$





Subtraction

Subtract 31 from 50.

Method 1:

$$31 = 30 + 1$$

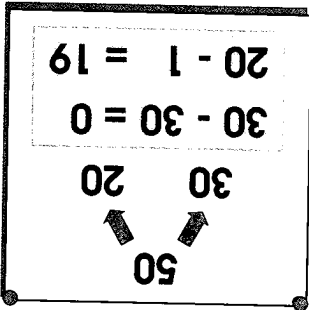
$$50 - 31 = 19$$

$$50 - 30 = 20$$

$$20 - 1 = 19$$

Method 2:

$$50 - 31 = 19$$



Take away 86 from 100.

$$86 = 80 + 6$$

Method 1:

$$100 - 86$$

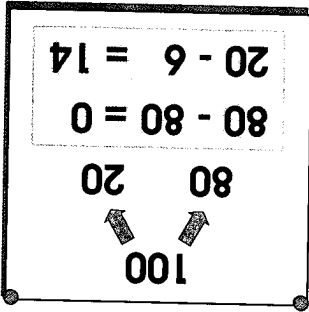
$$= 100 - 80 - 6$$

$$= 20 - 6$$

$$= 14$$

$$100 - 86 = 14$$

Method 2:



Let's Try

Do each of the subtractions below using as many different methods of mental calculations as you can.

a)  $100 - 47 =$

b)  $88 - 45 =$



4. Maria made 90 cherry cookies and 37 pineapple cookies. How many more cherry cookies did she make?

3. Tom had 50 marbles and his brother had 29 fewer marbles than him. How many marbles did his brother have?

c)  $98 - 23 =$

a)  $30 - 12 =$

d)  $70 - 19 =$

b)  $50 - 26 =$

2. Fill in the missing number.

c)  $67 + 31 =$

a)  $38 + 19 =$

d)  $78 + 44 =$

b)  $55 + 99 =$

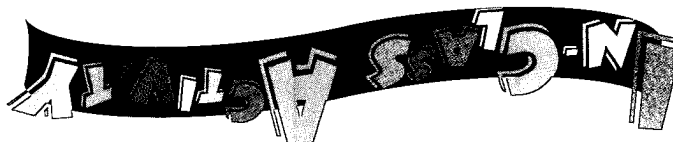
1. Add the following.

**Practice 7A**

Which method do you prefer? Why? Can you think of another way to subtract the sum mentally?

sum:  $80 - 19$

Mary and Lily used 2 different methods to solve the following

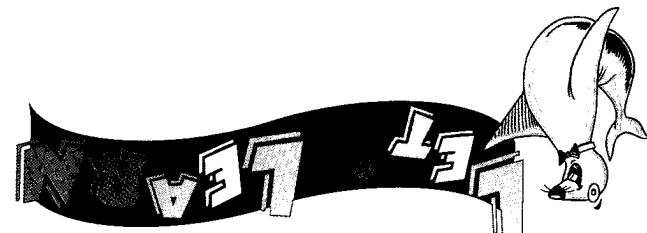


**Lily**

$$\begin{array}{r} 19 + 1 = 20 \\ 80 - 20 = 60 \\ 60 + 1 = 61 \end{array}$$

**Mary**

$$\begin{array}{r} 19 = 10 + 9 \\ 80 - 10 = 70 \\ 70 - 9 = 61 \end{array}$$

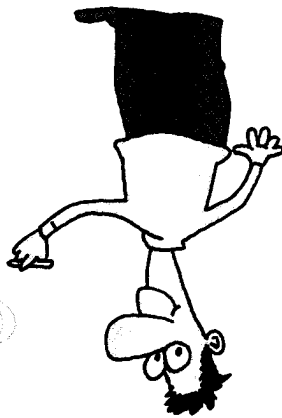


**Mental Multiplication and Division**

Multiplication

Multiply 20 by 6.

$$20 \times 6 = 2 \times 10 \times 6 = 2 \times 6 \times 10 = 12 \times 10 = 120$$



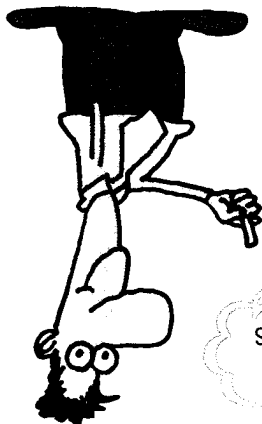
$$2 \text{ tens} \times 6 = \text{---} \text{ tens}$$

First we multiply 2 by 6 to get 12. Finally we multiply 12 by 10 to get 120.

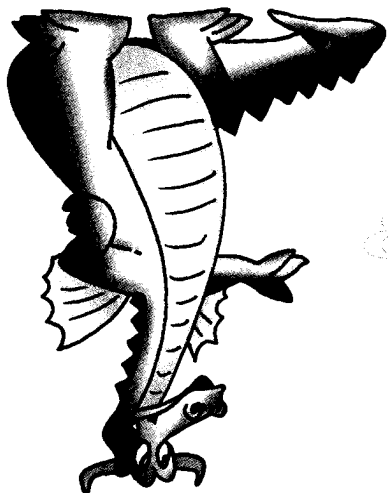
We 'split' the 2 tens into 2 x 10.

Find the value of  $500 \times 7$ .

$$500 \times 7 = 5 \times 100 \times 7 = 5 \times 7 \times 100 = 35 \times 100 = 3500$$



$$5 \text{ hundreds} \times 7 = \text{---} \text{ hundreds}$$



5 hundreds  $\div$  5 = 1 hundred

500  $\div$  5 is the same as,  
5 hundreds  $\div$  5.

= 500  $\div$  5 =

Find the value of 500  $\div$  5.



6 tens  $\div$  6 = 1 ten  
= 10

60  $\div$  6 is the same as, 6 tens  $\div$  6.

60  $\div$  6 = 10

What is the value of 60  $\div$  6?

Division

Fill in the boxes.

a) 5 tens  $\times$  6 =

c) 8  $\times$  3 hundreds =

b) 60  $\times$  7 =

d) 4  $\times$  600 =

Let's Try

Mei Ling bought 300 meters of cloth. She cut it equally into 5 pieces. What is the length of each piece of cloth?

$$300 \div 5 = 60$$

$$300 = 30 \text{ tens}$$

$$30 \text{ tens} \div 5 = 6 \text{ tens}$$

$$= 60$$

Each piece of cloth is 60 m in length.

**Let's Try**

Fill in the blanks.

**a)  $20 \div 2 =$   =  $2 \text{ tens} \div 2 =$   tens**

$$20 = 2 \text{ tens}$$

$$2 \text{ tens} \div 2 = \text{_____ tens}$$

$$= \text{_____}$$

**b)  $900 \div 3 =$   =  $9 \text{ hundreds} \div 3 =$   hundreds**

$$900 = \text{_____ hundreds}$$

$$\text{_____ hundreds} \div 3 = \text{_____ hundreds}$$

$$= \text{_____}$$

**c)  $400 \div 2 =$   =  $4 \text{ hundreds} \div 2 =$   hundreds**

$$400 = \text{_____ hundreds}$$

$$\text{_____ hundreds} \div 2 = \text{_____ hundreds}$$

$$= \text{_____}$$

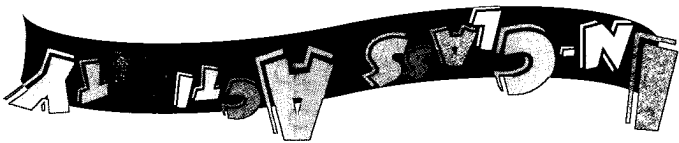
**d)  $160 \div 8 =$   =  $16 \text{ tens} \div 8 =$   tens**

$$160 = \text{_____ tens}$$

$$\text{_____ tens} \div 8 = \text{_____ tens}$$

$$= \text{_____}$$

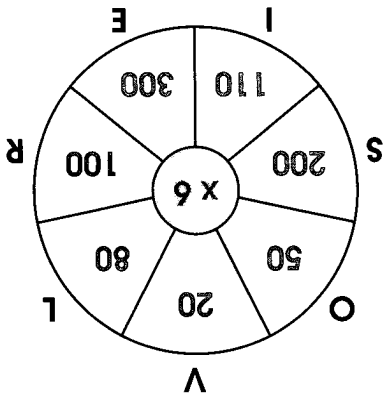




Work in pairs. Match the alphabet to the answer to crack the secret code. The pair that cracks the code the fastest is the winner.

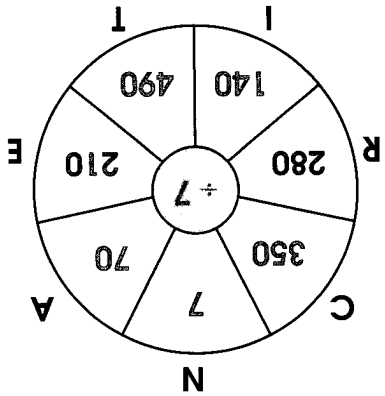
Multiply each number in the outer wheel by 6.

480 300 120 1800



Divide each number in the outer wheel by 7.

50 40 10 30



## Practice 7B

1. Multiply the following.

a)  $60 \times 4 =$

b)  $90 \times 5 =$

c)  $20 \times 6 =$

d)  $50 \times 7 =$

e)  $250 \times 4 =$

f)  $120 \times 8 =$

We say that these numbers are **odd numbers**.

1 3 5 7 9

These numbers **CANNOT** be divided by 2!

Now look at these numbers.

We say that these numbers are **even numbers**.

4 6 8 10

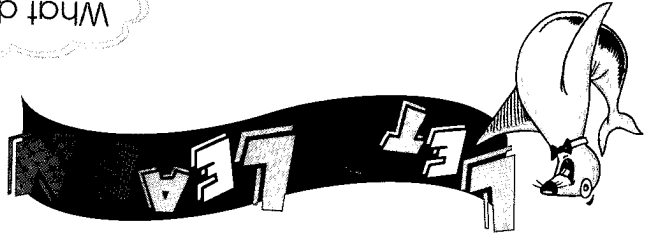
Look at these numbers.



These numbers can be divided by 2!

What do they have in common?

**Even and Odd Numbers**



4. The school library bookcase has 5 shelves. The librarian puts 120 books on each shelf. How many books are there altogether?
3. Ahmed has 990 seeds. He puts them equally into 9 beds of soil. How many seeds are there in each bed?

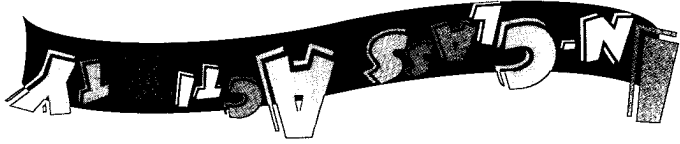
- a)  $40 \div 5$
- b)  $300 \div 4$
- c)  $450 \div 5$
- d)  $400 \div 8$
- e)  $240 \div 6$
- f)  $270 \div 9$

2. Find the quotient for each of the following.

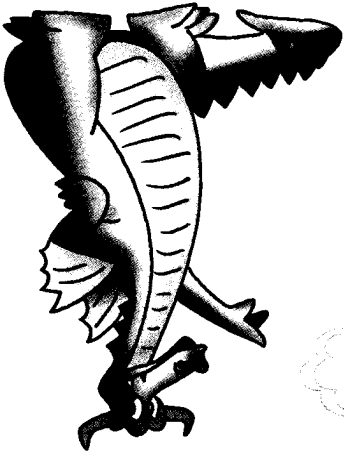
Do you know a way to do this quickly?

890	101	204	327	607
199	202	327	449	558
23	46	53	102	113

Circle the numbers that are even.



Therefore, 303 is an odd number.



3 ones CANNOT be divided by 2!

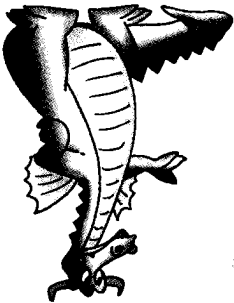
divided by 2.

In even numbers, the number in the ones place can always be

**303 = 3 hundreds + 3 ones**

is 303 an even or an odd number?

200 can be divided by 2 therefore 200 is an even number.



**200 = 2 hundreds**  
**2 hundreds ÷ 2 = 1 hundred**

We can use mental calculations to quickly find out the answer!

is 200 an even or an odd number?





The Magic Square below is made up of 9 squares. Fill the squares with numbers from 1 to 9. Each number can be used only once. The sum of numbers in any row, column or its diagonal must be 15.


Complete the magic square.

### 3 x 3 Magic Square



### Workbook Exercise

- a) 12:
- b) 111:
- c) 158:
- d) 393:
- e) 586:
- f) 109:

Write the letters 'E' for even number or 'O' for odd number for each of the following.

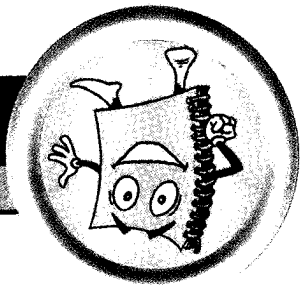
### Practice 7C

- a) 26:
- b) 33:
- c) 90:
- d) 907:
- e) 102:
- f) 213:

Which of the following numbers can be divided by 2? Put a tick next to the number.


### Let's Try

# REVISION 2



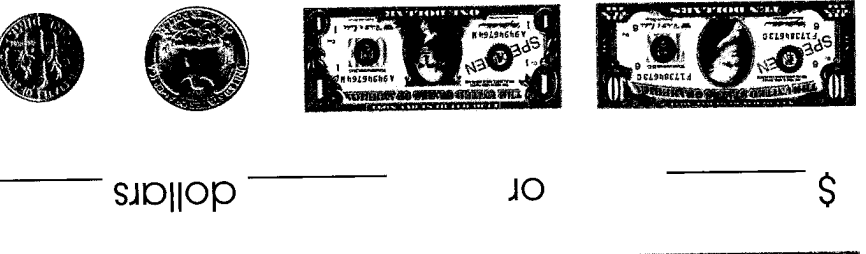
## Exercise 1

1. Write the amount of money shown in the space provided.

a)  \_\_\_\_\_ \$


OR

\_\_\_\_\_ dollars \_\_\_\_\_ cents

b)  \_\_\_\_\_ \$

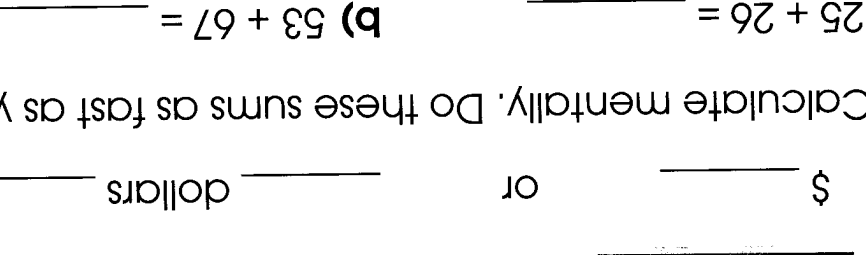
OR

\_\_\_\_\_ dollars \_\_\_\_\_ cents

b)  \_\_\_\_\_ \$

OR

\_\_\_\_\_ dollars \_\_\_\_\_ cents

c)  \_\_\_\_\_ \$

OR

\_\_\_\_\_ dollars \_\_\_\_\_ cents

2. Calculate mentally. Do these sums as fast as you can.

- a)  $25 + 26 =$  \_\_\_\_\_
- b)  $53 + 67 =$  \_\_\_\_\_
- c)  $98 - 19 =$  \_\_\_\_\_
- d)  $90 - 65 =$  \_\_\_\_\_
- e)  $50 \times 8 =$  \_\_\_\_\_
- f)  $400 \times 9 =$  \_\_\_\_\_
- g)  $60 \div 3 =$  \_\_\_\_\_
- h)  $240 \div 6 =$  \_\_\_\_\_

e)  $9 \overline{) 26}$

f)  $9 \overline{) 313}$

g)  $9 \overline{) 79}$

h)  $9 \overline{) 449}$

a)  $\begin{array}{r} 14 \\ \times 3 \\ \hline \end{array}$

b)  $\begin{array}{r} 121 \\ \times 2 \\ \hline \end{array}$

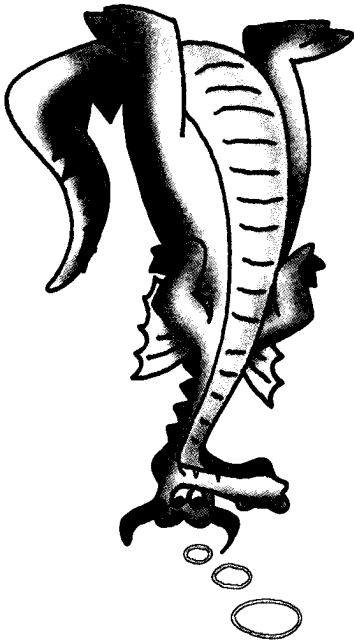
c)  $\begin{array}{r} 25 \\ \times 4 \\ \hline \end{array}$

d)  $\begin{array}{r} 202 \\ \times 5 \\ \hline \end{array}$

1. Complete the following.

**Exercise 2**

- a)
- b)
- c)
- d)



4. Write 'E' for even numbers and 'O' for odd.

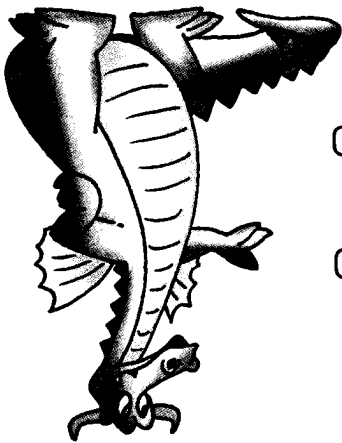
- a)  + \$5  + 80¢
- b)  - \$4  - 75¢

3. Fill in the following boxes.



			$\div 8$
640			$\times 10$
		29	$- 27$
			$+ 60$
64	80	56	

4. Complete the grid.



g)  $9 \times 9 =$   h)  $\div 10 = 10$

e)  $\div 5 = 8$   f)  $\div 7 = 10$

c)  $6 \times = 18$   d)  $8 \times 6 =$

a)  $3 \times 7 =$   b)  $6 \times 6 =$

3. Fill in the missing numbers.

e)  $\$10.15 - \$1.99 =$   f)  $\$20.20 - \$4.48 =$

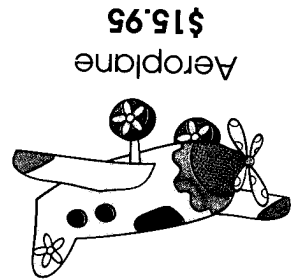
c)  $\$10.99 + \$1.20 =$   d)  $\$22.39 - \$6.20 =$

a)  $\$1.50 + \$2.50 =$   b)  $\$3.75 + \$4.90 =$

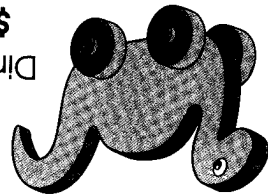
2. Fill in the boxes.

## Exercise 3

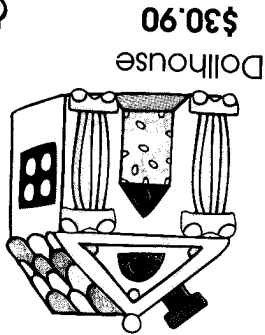
1. Look at the items that are on sale and answer the questions that follow.



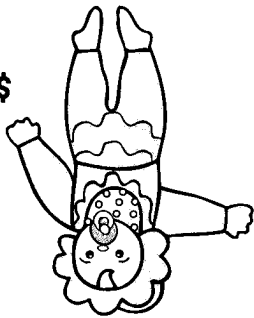
Aeroplane  
\$15.95



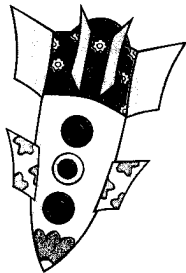
Dinosaur  
\$9.90



Dollhouse  
\$30.90



Doll  
\$10.90



Rocket  
\$25.50

a) Which item costs less than \$10?

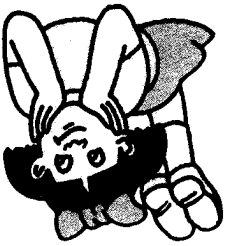
b) How much would the doll and the dollhouse cost?

c) Maria has only \$50. She needs to buy 3 gifts. What gifts can she buy?

d) Mr. Smith bought the toy aeroplane and the dinosaur. How much did he pay altogether?

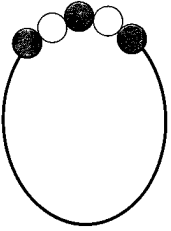
e) Mr. Jones bought the rocket and the doll for his children. He gave the cashier a fifty-dollar note. How much change did he get?

2. Mary spent \$5.65 on a book, \$4.50 on a burger meal and had \$1.85 left. How much money did she have at first?



3. Mr. Lim sold a cooking pot for \$26.55 and a ladle for \$5.50. The buyer gave Mr. Lim a \$50 note. How much change did Mr. Lim have to give the buyer?

4. Siti made a number of necklaces for sale. She used a total of 60 red beads and 40 white beads. If each necklace had 5 beads, how many necklaces did she make?



5. Rani bought 6 boxes of soda cans and her sister bought 2 boxes. If there are 24 soda cans in each box, how many soda cans did Rani and her sister buy altogether?