New Syllabus

Primary Mathematics

5B WORKBOOK 1

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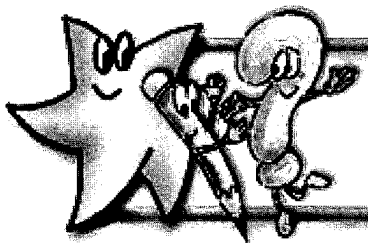


CONTENTS

8. Decimals

9. Percentage

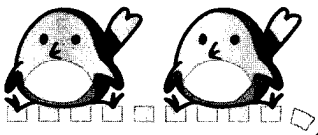
10. Average

8 Decimals

WORKSHEET 26

Multiplication

Date: _____



1. Multiply the following.

(a) $0.4 \times 10 =$ _____

(b) $0.07 \times 10 =$ _____

(c) $0.36 \times 10 =$ _____

(d) $0.053 \times 10 =$ _____

(e) $2.081 \times 10 =$ _____

(f) $78.3 \times 10 =$ _____

2. Multiply the following.

(a) 0.2×20

$= 0.2 \times 2 \times 10$

$= \square \times \square$

$= \square$

(b) 0.05×40

$=$

(c) 0.97×50

$=$

(d) 1.65×70

$=$

(e) 42.5×80

$=$

(f) 370.1×90

$=$

3. Multiply the following.

(a) $0.6 \times 100 =$ _____

(b) $0.09 \times 100 =$ _____

(c) $0.37 \times 100 =$ _____

(d) $0.519 \times 100 =$ _____

(e) $9.331 \times 100 =$ _____

(f) $26.3 \times 100 =$ _____

4. Multiply the following.

(a) $0.5 \times 1000 =$ _____

(b) $0.03 \times 1000 =$ _____

(c) $0.082 \times 1000 =$ _____

(d) $0.198 \times 1000 =$ _____

(e) $7.78 \times 1000 =$ _____

(f) $100.4 \times 1000 =$ _____

5. Multiply the following.

(a) 0.8×300

=

(b) 0.02×500

=

(c) 0.099×600

=

(d) 0.193×700

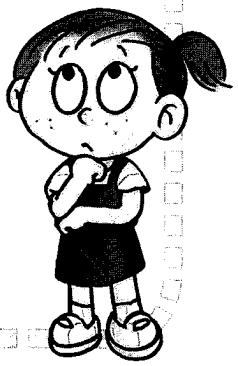
=

(e) 5.081×800

=

(f) 50.2×900

=



6. Multiply the following.

(a) 0.9×2000

=

(b) 0.06×3000

=

(c) 0.079×4000

=

(d) 0.394×6000

=

(e) 6.205×7000

=

(f) 29.8×8000

=

7. Fill in the blanks.

(a) $5.907 \times \square = 59.07$

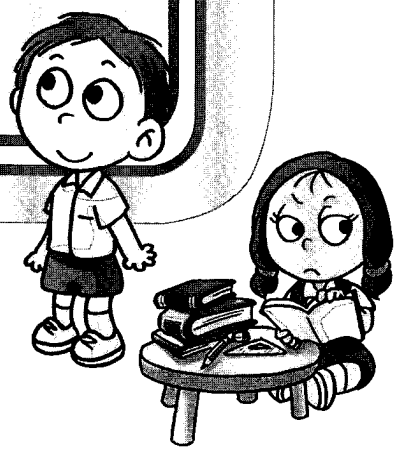
(b) $7.205 \times \square = 720.5$

(c) $0.038 \times \square = 38$

(d) $1.23 \times 10 = 0.123 \times \square$

(e) $0.304 \times 100 = 3.04 \times \square$

(f) $4.806 \times 1000 = 48.06 \times \square$



WORKSHEET 27

Date: _____

Division

1. Divide the following.

(a) $4 \div 10 =$ _____

(b) $66 \div 10 =$ _____

(c) $768 \div 10 =$ _____

(d) $0.5 \div 10 =$ _____

(e) $3.08 \div 10 =$ _____

(f) $68.5 \div 10 =$ _____

2. Divide the following.

(a) $7 \div 20$

$= 7 \div 2 \div$ ☐

$=$ ☐ $\div$ ☐

$=$ ☐

(b) $72 \div 80$

$=$

(c) $581 \div 70$

$7\overline{)581}$

=

(d) $0.9 \div 60$

$6\overline{)0.9}$

=

(e) $2.79 \div 30$

$3\overline{)2.79}$

=

(f) $51.44 \div 80$

$8\overline{)51.44}$

=

3. Divide the following.

(a) $6 \div 100 =$ _____

(b) $93 \div 100 =$ _____

(c) $321 \div 100 =$ _____

(d) $0.8 \div 100 =$ _____

(e) $9.3 \div 100 =$ _____

(f) $33.8 \div 100 =$ _____

4. Divide the following.

(a) $1.6 \div 800$

$= 1.6 \div 8 \div$ ☐

$=$ ☐ $\div$ ☐

$=$ ☐

(b) $1.2 \div 300$

$=$

(c) $618 \div 300$

$=$

$\square\overline{)618}$

(d) $1071 \div 700$

$=$

$\square\overline{)1071}$

(e) $19.8 \div 900$

$=$

$\square\overline{)19.8}$

(f) $99.2 \div 400$

$=$

$\square\overline{)99.2}$

5. Divide the following.

(a) $2 \div 1000 =$ _____

(b) $51 \div 1000 =$ _____

(c) $83 \div 1000 =$ _____

(d) $194 \div 1000 =$ _____

(e) $747 \div 1000 =$ _____

(f) $3628 \div 1000 =$ _____

6. Divide the following.

(a) $3 \div 3000 =$ _____

(b) $36 \div 4000 =$ _____

(c) $428 \div 2000$

$=$

$\square \overline{)428}$

(d) $3064 \div 8000$

$=$

$8 \overline{)3064}$

(e) $660 \div 5000$

$=$

$5 \overline{)660}$

(f) $1656 \div 9000$

$=$

$9 \overline{)1656}$

WORKsheet 28

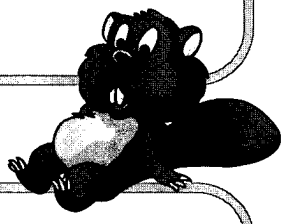
Date:

Conversion of Measurements Involving Decimals

1. Convert the following measurements.

(a) Convert 12.35 kg to g.

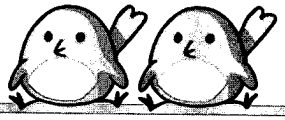
(b) Convert 451.5 m to cm.



(c) Convert 1.5 km to m.

(d) Convert 0.55 ℓ to ml.

(e) Convert 0.650 kg to g.

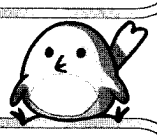


(f) Convert 0.07 km to m.

2. Convert the following measurements. Express your answers in decimals.

(a) Convert 420 g to kg.

(b) Convert 4975 m to km.



(c) Convert 6505 cm to m.

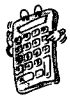
(d) Convert 7 g to kg.

(e) Convert 36 ml to ℓ.

(f) Convert 7510 cm to m.

WORKSHEET 29

Date:

Using Calculator 

1. Do each addition using a calculator. Then round off the answer to the nearest whole number.

(a) 13.58 + 8.75

(b) 65.79 + 4.35

(c) 137.98 + 28.43

(d) 578.08 + 25.82

(e) 91.351 + 27.568

(f) 87.955 + 127.186

2. Do each subtraction using a calculator. Then round off the answer to one decimal place.

(a) 31.03 – 7.85

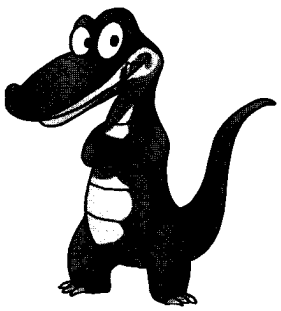
(b) 45.35 – 9.78

(c) 358.34 – 19.56

(d) 90.51 – 14.651

(e) 195.43 – 68.55

(f) 25.315 – 18.478



3. Estimate the following by first rounding off each given decimal to the nearest whole number. Then find the exact answer by using a calculator. Check if the answer given by the calculator is reasonable.

(a) 30.58 + 15.47

$30.58 \approx$ ☐

$15.47 \approx$ ☐

$30.58 + 15.47 \approx$ ☐ + ☐

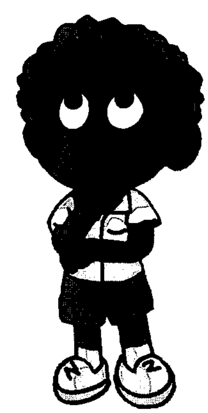
= ☐

Using a calculator,

$30.58 + 15.47 =$ ☐

The answer given by the calculator (is/is not) close to the estimated value. It (is/is not) reasonable.

(b) 41.517 + 28.945



(c) 45.413 – 26.36

(d) 45.715 – 31.878

4. Multiply each of the following by using a calculator. Then find the product by estimation and compare it with the answer given by the calculator.

(a) $2.31 \times 18 = \square$ (using a calculator)

Estimation

$2.31 \approx \square$

$18 \approx \square$

$2.31 \times 18 \approx \square \times \square$

$= \square$

The estimated product is (quite/not) close to the answer given by the calculator.

(b) $6.37 \times 11 = \square$

Estimation

The estimated product is (quite/not) close to the answer given by the calculator.

(c) $15.84 \times 48 =$ ☐

Estimation

The estimated product is (quite/not) close to the answer given by the calculator.

(d) $39.53 \times 73 =$ ☐

Estimation

The estimated product is (quite/not) close to the answer given by the calculator.

5. Estimate each of the following divisions. Then calculate it using a calculator. Check if the answer given by the calculator is reasonable.

(a) $282.9 \div 41$

$41 \approx 40$

$282.9 \approx$ ☐ (☐ is a multiple of 40)

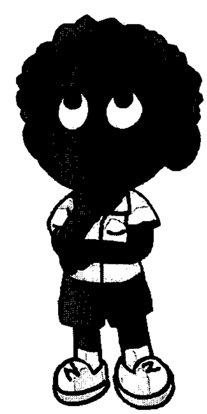
$282.9 \div 41 \approx$ ☐ $\div 40 =$ ☐

$282.9 \div 41 =$ ☐ (using a calculator)

40 × 8 = 320
40 × 7 = 280
282.9 is closer to 280 than to 320

The answer given by the calculator is close to the estimated value. It is reasonable.

(b) $423.8 \div 28$



(c) $248.54 \div 43$

(d) $190.564 \div 61$

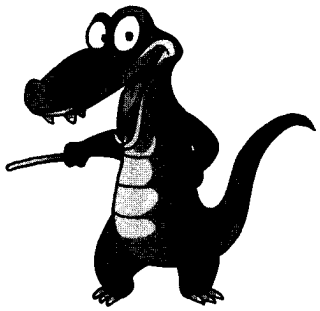
WORKSHEET 30
Word Problems

Date:

1. Mrs Chan bought 13 m of string. She used 3.5 m to tie a parcel. Then she cut the remainder into 4 equal pieces. Find the length of each of these pieces of string.

2. Ann bought 30 pens at $1.20 each. If she had used this amount of money to buy pencils at 3 for $2, how many pencils could she have bought?

3. John paid $8.60 for a pizza, a cup of tea and a fruit tart. The pizza cost $2.50 more than the cup of tea and $0.90 more than the fruit tart. How much did he pay for the pizza?



4.  There are 15 Japanese carps in a tank. The price of each carp is $12.65. What is the total cost of the carps?

5.  Ken bought 12 pencils at $0.35 each and 10 pens at $1.75 each. How much in total did Ken have to pay? Round off the answer to the nearest dollar.

6

6.  David bought 10 erasers at $0.45 each and a dozen writing pads at $1.20 each. He gave the cashier $20. How much change did he get?

Practice 8

Date: _____

1. Do the following without using a calculator.

(a) $7.35 \times 10 =$ _____ (b) $6.14 \times 40 =$ _____

(c) $3.28 \times 100 =$ _____ (d) $5.64 \times 700 =$ _____

(e) $0.378 \times 1000 =$ _____ (f) $0.064 \times 6000 =$ _____

2. Fill in the blanks.

(a) 17 500 ml = ☐ ℓ

(b) 3.50 kg = ☐ g

(c) 4.25 m = ☐ cm

(d) 2300 cm = ☐ m

(e) 0.335 ℓ = ☐ ml

(f) 9150 g = ☐ kg

(g) 0.055 km = ☐ m

(h) 35 m = ☐ km

3.  Estimate the following by first rounding off each given decimal to the nearest whole number. Then get the exact answer by using a calculator. Check if the answer given by the calculator is reasonable.

(a) 3.785 + 12.198

(b) 15.315 – 8.903

4.  Do the following using a calculator. Then round off each answer to two decimal places.

(a) 3.615×28

(b) 7.038×59

(c) $75.27 \div 65$

(d) $181.61 \div 26$

5.  Do the following using a calculator. Then estimate the answer. Compare the answer given by the calculator with your estimated value.

(a) $68.3 \times 52 =$ ☐

$68.3 \approx$ ☐ (to the nearest whole number)

$52 \approx$ ☐ (to the nearest ten)

$68.3 \times 52 \approx$ ☐ $\times$ ☐ $=$ ☐

The estimated value is (quite/not) close to the answer given by the calculator.

(b) 89.89×67

The estimated value is (quite/not) close to the answer given by the calculator.

(c) $129.36 \div 22 =$ ☐ (using a calculator)

$22 \approx$ ☐ (to the nearest ten)

$129.36 \approx$ ☐

(☐ is a multiple of ☐)

$20 \times 6 = 120$
$20 \times 7 = 140$
129.36 is closer to 120 than to 140.

$129.36 \div 22$

$\approx$ ☐ $\div$ ☐

$=$ ☐

The estimate is (quite/not) close to the answer given by the calculator.

(d) $551.208 \div 68$

The estimate is (quite/not) close to the answer given by the calculator.

6.  The volume of a can of drink is 0.335 ℓ. In 1 package, there are 12 cans. What is the volume of drink in 10 such packages? Give your answer to the nearest ℓ.

7.  Mrs Tan bought 15 apples and pears for $7.40. If an apple cost 40¢ and a pear cost 20¢ more than an apple, how many apples did she buy?

9 Percentage

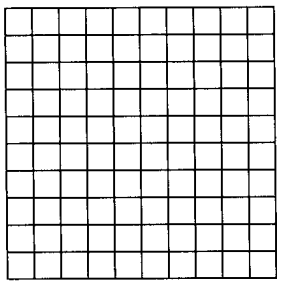
WORKSHEET 31

Date:

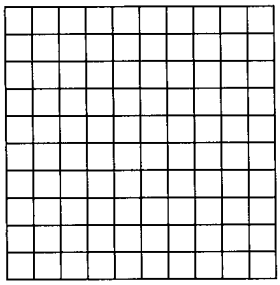
Percentage

1. Shade the number of parts accordingly.

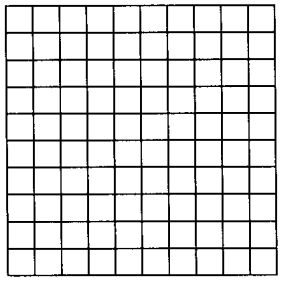
(a) 30%



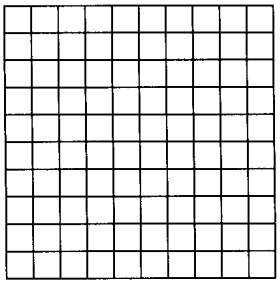
(b) 45%



(c) 50%



(d) 90%



2. Fill in the fraction and percentage in the table.

	Fraction	Percentage
25 boys out of 100 children		
17 oranges out of 100 fruits		
5 rotten apples out of 100 apples		
99 blue pens out of 100 pens		

3. Express each of the following in percentage.

(a) $\frac{13}{100}$ ..... ☐

(b) $\frac{55}{100}$ ..... ☐

(c) $\frac{60}{100}$ ..... ☐

(d) $\frac{8}{100}$ ..... ☐

4. Express each of the following as a percentage.

(a) $\frac{3}{4}$ =

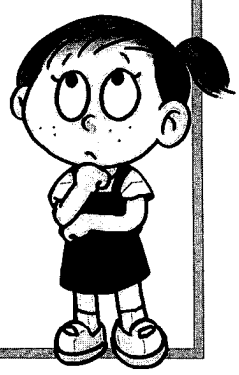
(b) $\frac{2}{5}$ =

(c) $\frac{4}{10}$ =

(d) $\frac{17}{20}$ =

(e) $\frac{1}{25}$ =

(f) $\frac{33}{50}$ =



5. Express each of the following in percentage.

(a) $\frac{58}{200}$ =

(b) $\frac{16}{400}$ =

(c) $\frac{54}{300}$ =

(d) $\frac{70}{500}$ =

(e) $\frac{63}{900}$ =

(f) $\frac{880}{1000}$ =

6. Express each of the following as a fraction in its simplest form.

(a) $20\% = \frac{\square}{\square} = \frac{\square}{\square}$

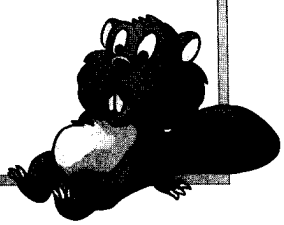
(b) $35\% = \frac{\square}{\square} = \frac{\square}{\square}$

(c) $48\% = \frac{\square}{\square} = \frac{\square}{\square}$

(d) $66\% = \frac{\square}{\square} = \frac{\square}{\square}$

(e) $70\% = \frac{\square}{\square} = \frac{\square}{\square}$

(f) $90\% = \frac{\square}{\square} = \frac{\square}{\square}$



7. Express each of the following in percentage.

(a) 0.2 =

(b) 0.15 =

(c) 0.36 =

(d) 0.88 =

(e) 0.91 =

(f) 0.01 =

8. Express each of the following as a decimal.

(a) 3% =

(b) 7% =

(c) 25% =

(d) 45% =

(e) 59% =

(f) 88% =

WORKSHEET 32

Part and Whole

Date:

1. Find the value of each of the following.

(a) 20% of 100

=

(b) 71% of 100

=

(c) 50% of 40

=

(d) 25% of 8

=

(e) 10% of 50

=

(f) 15% of 20

=

2. Find the value of each of the following.

(a) 10% of 200

=

(b) 12% of 350

=

(c) 15% of 40

=

(d) 66% of 200

=

(e) 25% of 440

=

(f) 75% of 800

=

3. Edwin had $200. He spent 14% of it on a shirt. How much did he spend on the shirt?

4. Peter had 250 marbles. He gave away 64% of them. How many marbles did he give away?

5. A vegetable seller had 300 kg of carrots. He sold 25% of them. What was the mass of carrots that he sold?

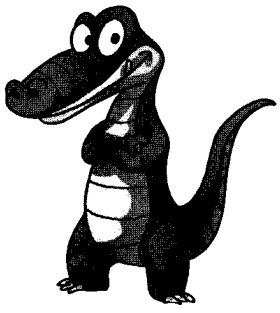
6. A colouring book has 175 pages. Meimei coloured 20% of these pages. How many pages did she colour?

WORKSHEET 33
Word Problems

Date:

1. Ann bought 35 lollipops and gave away 28 of them. What percentage of her lollipops did she have left?

2. Mr Tan bought a sofa set at a discount of 15%. Its usual price was $1500. How much did he pay for the sofa set?



3. There were 500 people taking part in a walkathon. 35% of them were children and the rest were adults. How many adults took part in the walkathon?

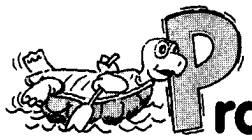
4. There were 400 seats in a concert hall. 360 seats were occupied. What percentage of the seats were not occupied?

5. Andrew bought a refrigerator priced at $1200. In addition, he had to pay 7% GST. How much did he pay for the refrigerator in all?

6. Mr Wang deposited $4800 in a bank. The bank paid 2% interest per year. How much money did he have in the bank after 1 year?

7. There are 25 pupils in a class. 11 pupils scored below 50 marks in a Mathematics test and the rest scored 50 marks or above. If the passing mark is 50, find the percentage of pupils who passed the test.

8. A library has 500 books. 60% are English books, 15% are Chinese books and the rest are of other languages. How many books are of other languages?

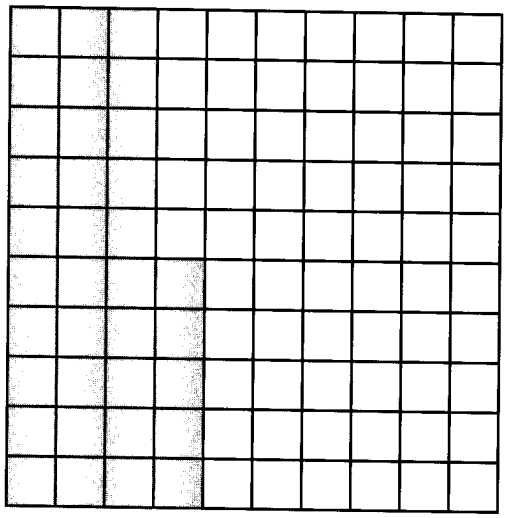


Practice 9

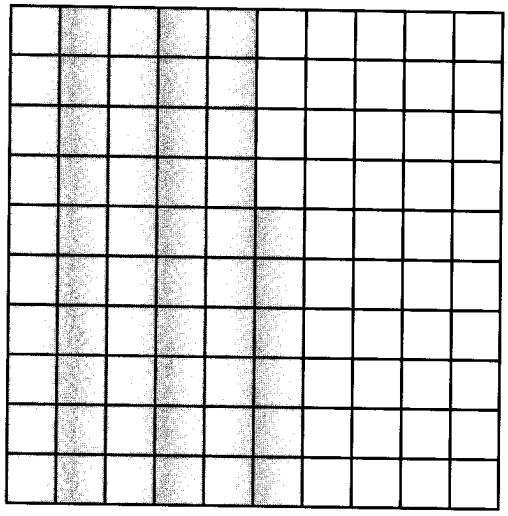
Date:

1. In each figure, what percentage of the whole is shaded? Write the percentage in the box provided.

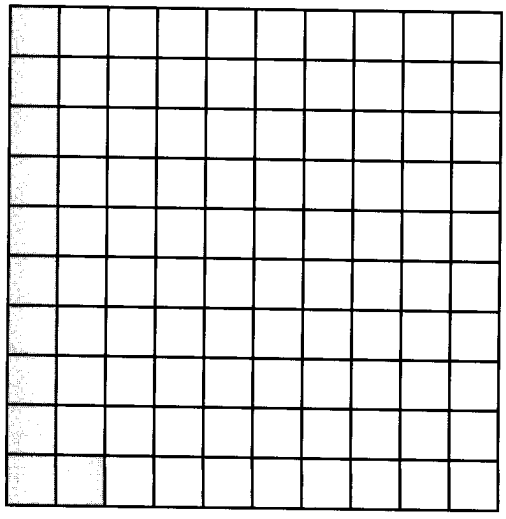
(a)



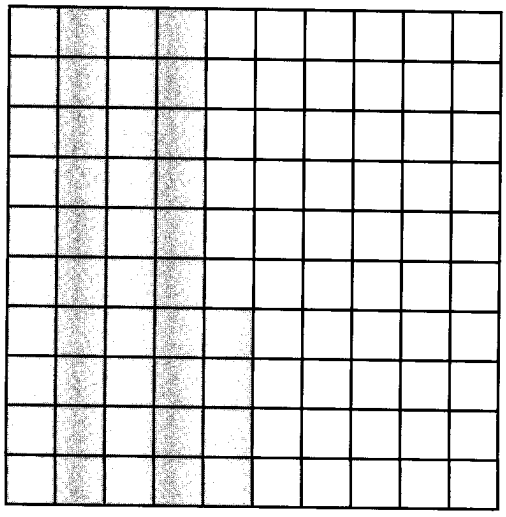
(b)



(c)



(d)



2. Express each of the following as a percentage.

(a) 0.09

(b) 0.18

(c) 0.45

(d) 0.57

(e) $\frac{3}{4}$

(f) $\frac{3}{5}$

(g) $\frac{3}{10}$

(h) $\frac{17}{25}$

3. Express each of the following as a fraction. Write your answer in the simplest form.

(a) 36%

(b) 75%

(c) 26%

(d) 24%

4. Express each of the following as a decimal.

(a) 39%

(b) 43%

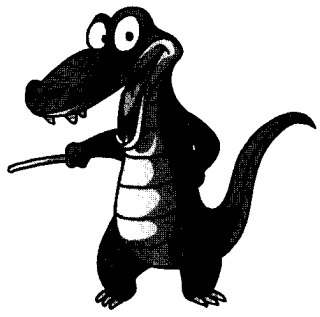
(c) 57%

(d) 53%

5. There are 25 children. 10 of them wear glasses. What percentage of the children wear glasses?

6. Peter had $300. He spent $80. What percentage of the money did he spend?

7. Mrs Tan had 2 kg of flour. She used 700 g to make cookies. What percentage of the flour did she use to make cookies?



8. There was 1.8 ℓ of milk in a bottle. Peter drank 30% of the milk. How much milk did he drink? Give your answer in ml.

9. 120 pupils sat for a test. 90% of them passed it. How many pupils passed the test?

10. What is 15% of $300?

11. There were 3000 people in a fair. 30% of them were adults. 43% of the adults were men. How many men were there in the fair?

12. Mr Tan saves $5000 in a bank. The annual interest is 2.5%. How much money will Mr Tan have in the account after one year?

10 Average

WORKSHEET 34

Date:

Average

1. Find the average of each of the following.

(a) 5, 7 and 9

(b) 1, 8 and 3

(c) 43, 25 and 52

(d) 13, 20, 32 and 45

(e) 20, 32, 41 and 15

(f) 4, 6, 9 and 10

2. Find the average of each of the following.

(a) 66 kg, 45 kg and 51 kg

(b) 2 .4 km, 1.9 km and 6.2 km

(c) $1900, $2400, $2500 and $4000

(d) 126.2 cm, 121.4 cm, 32.7 cm and 128.2 cm

3. Solve the following problems.

(a) A boy sleeps an average of 8 hours per day for 7 days. Find the total number of hours he sleeps in 7 days.

(b) A man spends an average of $1500 per month for 6 months. Find the total amount of money he spends in 6 months.

(c) The average height of 4 girls is 1.38 m. Find the total height of the 4 girls.

4. The sales of 3 food stores over 4 days are shown in the table below.

	Monday	Tuesday	Wednesday	Thursday
Food store A	$205	$238	$253	$220
Food store B	$345	$162	$184	$161
Food store C	$158	$206	$288	$332

(a) Which food store had the highest average sale over the 4 days?
(b) Which food store had the lowest average sale over the 4 days?

5. Mr Tan earned $9600 in 6 months. How much did he earn per month?

6. The average cost of 30 storybooks is $297. Find the total cost of all the storybooks.

7. A class had 40 pupils. Each pupil brought an average of 3 paper clips. How many paper clips did all the pupils bring?

8. The average number of biscuits in 2 boxes is 35. One box contains 28 biscuits. Find the number of biscuits in the other box.

WORKSHEET 35

Date:

Word Problems

1. The average height of 3 boys and 2 girls is 1.65 m. The height of another girl is 1.35 m. What is the average height of the 3 boys and 3 girls?

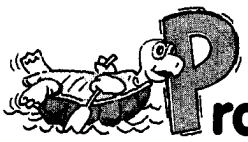
2. The average of six numbers is 65. The average of five of them is 72. Find the sixth number.

3. The average cost of 3 books was $2.45. The average cost of the first 2 books was $2.15. Find the cost of the third book.

4. Jane has 3 times as many cards as Peter. The average number of cards owned by the two children is 64. How many cards does Jane have?

5.  Johnson earned a total of $35 400 last year. If he spent an average of $1832 per month, how much was left at the end of last year?

6.  The average mass of 12 durians was 1.5 kg. Mr Lee bought them for $81. How much was 1 kg of durians?



Practice 10

Date:

1. Find the average of each of the following.

(a) 27, 0, 43 and 65

(b) $15, $20, $13 and $28

(c) 13 ℓ, 30 ℓ, 47 ℓ and 52 ℓ

(d) 1.25 m, 2.18 m and 3.59 m

(e) 37.3 kg, 47.5 kg and 55.6 kg

2. The table shows the number of trophies a school collected over 5 years.

Year	Number of trophies collected
2002	12
2003	13
2004	17
2005	19
2006	24

(a) What was the total number of trophies collected in the 5 years?

(b) What was the average number of trophies collected each year?

3. A club started recruiting members in January. By the end of June, the club had a total of 504 members. What was the average number of members who joined the club each month?

4. 5 children share 6.75 ℓ of orange juice. Find the average amount of juice each child gets.

5.  Class 5A had 34 pupils. The average mark scored by the pupils in a test was 76.5. What was the total mark scored by all the pupils in the class?

6.  The average cost of 15 books and 12 pens is $7.50. If the average cost of the 12 pens is $3.50, what is the average cost of the books?

Revision 3A

Date: _____

1. Multiply the following.

(a) $0.512 \times 10 =$ _____

(b) $3.049 \times 100 =$ _____

(c) $10.07 \times 1000 =$ _____

(d) $0.008 \times 1000 =$ _____

2. Divide the following.

(a) $7 \div 10 =$ _____

(b) $887 \div 100 =$ _____

(c) $235 \div 100 =$ _____

(d) $1207 \div 1000 =$ _____

3. Multiply the following.

(a) $0.08 \times 30 =$ ☐

(b) $3.7 \times 80 =$ ☐

(c) $78.8 \times 500 =$ ☐

(d) $0.606 \times 9000 =$ ☐

4. Divide the following.

(a) $6 \div 30 =$ ☐

(b) $28 \div 400 =$ ☐

(c) $168 \div 700 =$ ☐

(d) $4680 \div 9000 =$ ☐

5. Express each of the following fractions as a percentage.

(a) $\frac{2}{25}$ ..... ☐

(b) $\frac{3}{20}$ ..... ☐

(c) $\frac{11}{25}$ ..... ☐

(d) $\frac{3}{8}$ ..... ☐

6. Express each of the following decimals as a percentage.

(a) 0.35 ..... ☐

(b) 0.07 ..... ☐

(c) 0.004 ..... ☐

(d) 0.555 ..... ☐

7. Mrs Tan had 25 m of ribbon. She used 5.2 m to tie a parcel and cut the remaining ribbon equally into 10 equal pieces to make bows. How much ribbon did she use for each bow?

8. A pen and a book cost $16. If the pen costs $5 more than the book, what is the cost of 3 pens and 2 books?

9. Find the value of each of the following.

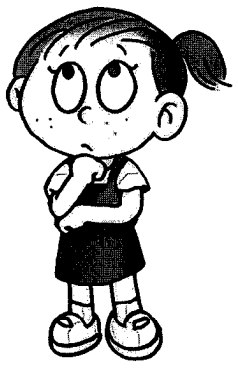
(a) What is 10% of $25?

(b) 30% of 5 dozens of oranges were bad. How many oranges were bad?

(c) There are 40 pupils in Primary 5A. 60% of them are boys. How many boys are there?

10. The usual price of a watch was $18. The shopkeeper gave a discount of 15% to Mrs Fu. How much did Mrs Fu pay for the watch?

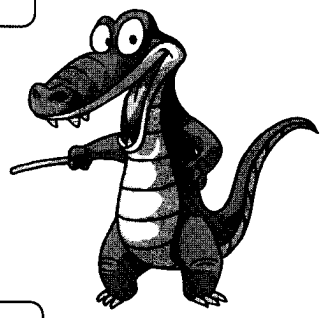
11. John, David and Ravi have an average of 68 marbles each. David has 55 marbles and Ravi has 78 marbles. How many marbles does John have?



12. Express each of the following as a fraction in its simplest form.

(a) $6\% = \frac{\square}{\square} = \frac{\square}{\square}$

(b) $28\% = \frac{\square}{\square} = \frac{\square}{\square}$



(c) $75\% = \frac{\square}{\square} = \frac{\square}{\square}$

(d) $90\% = \frac{\square}{\square} = \frac{\square}{\square}$

(e) $30\% = \frac{\square}{\square} = \frac{\square}{\square}$

(f) $8\% = \frac{\square}{\square} = \frac{\square}{\square}$

13.  Do the following using a calculator. Round off each answer to the nearest whole number.

(a) 0.373×28

(b) 5.49×87

(c) 7.67×43

(d) 60.3×35

(e) $67.5 \div 56$

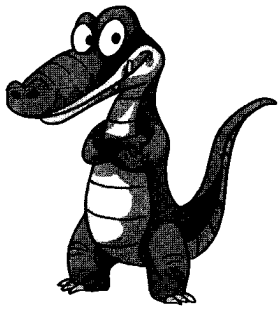
(f) $49.95 \div 37$

14. Mr Tan bought a computer at a price of $3000. He had to pay 7% GST on the computer. How much did he pay in total for the computer?

15. Mrs Tan bought a toy at 15% discount for her daughter. The usual price of the toy was $40. How much did Mrs Tan pay for the toy?

16. The average mass of Jane, Peter and Mary is 35.6 kg, and the average mass of Jane and Peter is 36 kg. What is the mass of Mary?

17.  165 candidates were seated for a test. 25 of them failed the test. How many percent of the candidates passed the test?



Revision 3B

Date: ____

1.  Multiply each of the following using a calculator. Then estimate the result by rounding off the given decimal to the nearest whole number and the given whole number to the nearest ten. Compare the answer given by the calculator to the estimated value, and say if the answer is reasonable.

(a) $7.7 \times 21 =$ ____ (using a calculator)

$7.7 \approx$ ____

$21 \approx$ ____

$7.7 \times 21 \approx$ ____ $\times$ ____

$=$ ____

The answer given by the calculator (is/is not) close to the estimated value. It (is/is not) reasonable.

(b) $52.4 \times 38 =$ ____

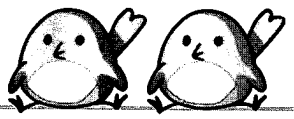
(c) $125.8 \times 53 =$ ☐

(d) $19.78 \times 84 =$ ☐

2. Divide the following without using calculator.

(a) $5.25 \div 7 =$ ☐

(b) $48.15 \div 50 =$ ☐



(c) $29.52 \div 200 =$ ☐

(d) $1170 \div 3000 =$ ☐

3. Express each of the following as a percentage.

(a) 0.05 ..... ☐

(b) 0.67 ..... ☐

(c) 0.9 ..... ☐

(d) 0.785 ..... ☐

4. Express each of the following as a percentage.

(a) 40 out of 100 ..... ☐

(b) 85 out of 500 ..... ☐

(c) 765 out of 900 ..... ☐

(d) 180 out of 1000 ..... ☐

5. Express each of the following as a decimal.

(a) 35% ..... ☐

(b) 30% ..... ☐

(c) 8% ..... ☐

(d) 85.5% ..... ☐

6. Jane jogged 800 m this morning. Write this distance in km.

7. The distance from bus-stop A to bus-stop B is 0.535 km. Write this distance in m.

8. Peter's mother bought a fish of mass 0.643 kg. Write this mass in g.

9. The length of a stick is 31 cm. Write this length in m.

10. The mass of a bottle is 425 g. Write this mass in kg.

11. The height of John is 1.42 m. Write this height in cm.

12. The capacity of a cup is 0.355 ℓ. Write this volume in ml.

13. The mass of a mango is 432 g. Write this mass in kg.

14. A bottle contains 875 ml of water. Write this volume in ℓ.

15. The length of a book is 26 cm. Write this length in m.

16. Fill in the blanks.

(a) $0.315 = \square\ \%$

(b) $\frac{2}{5} = \square\ \%$

(c) $35\% = \frac{\square}{\square} = \frac{\square}{\square}$ (simplest form)

(d) 15 out of 30 is $\square\ \%$

(e) $3.04 = \square \div 10$

(f) $\square \times 100 = 205$

(g) $\square \times 10 = 12.6$

17. Jason bought 9 apples and 3 pineapples. 3 apples cost $1.00. He paid the fruit seller with a $10 note and received $3.25 change. How much did each of the pineapples cost?

18. The average of three numbers is 68. If 52 is added to the three numbers, what is the average of the four numbers?

19. May has 15 paper clips. Jane has 5 more than May and Susan has 7 fewer than Jane. What is the average number of paper clips each girl has?

20. A hotel cleaner takes 8 hours to vacuum 72 rooms. At this rate, how long does she take to vacuum 45 rooms?