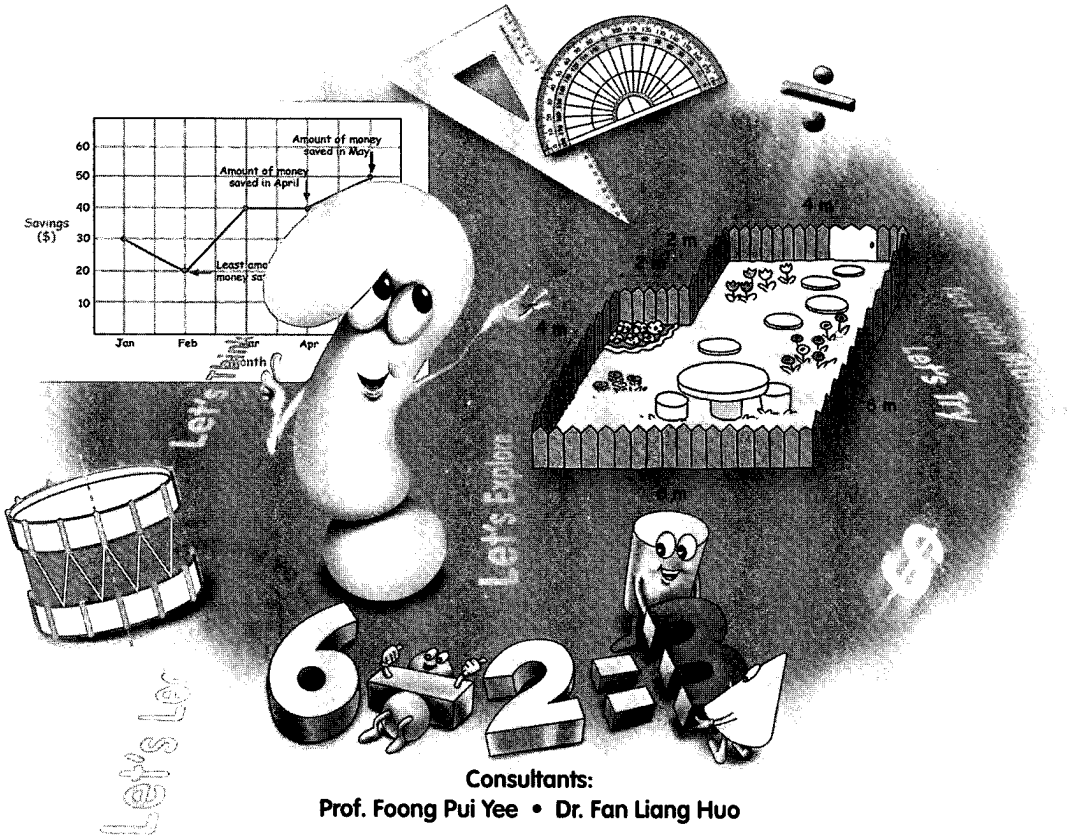
New Syllabus

Primary Mathematics

4B WORKBOOK 1



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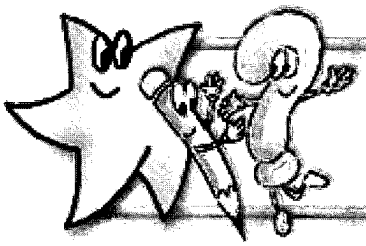


CONTENTS

8. Decimals (I)

9. Decimals (II)

10. Angles

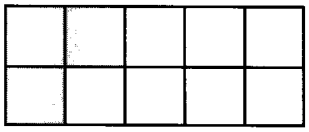
8 Decimals (I)

WORKSheet 26

Date:

Tenths

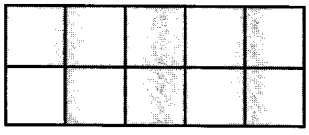
1. Write a decimal based on the shaded parts of each of the figures shown.

(a) 

(b) 

(c) 

(d) 

(e) 

2. Write a decimal for each of the following.

(a)

Tens	Ones	Tenths
10 10	1 1 1	0.1 0.1 0.1 0.1 0.1

(b)

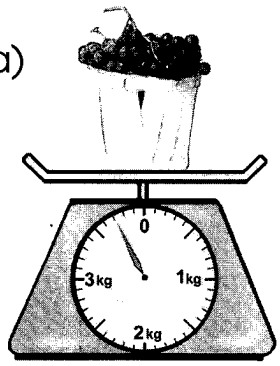
Tens	Ones	Tenths
10 10 10 10		0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1

(c)

Tens	Ones	Tenths
10 10 10 10 10 10	1 1 1 1 1	0.1 0.1 0.1

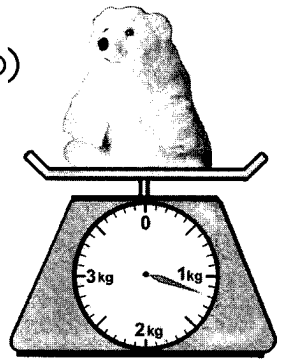
3. What is the mass in kilograms?

(a)



kg

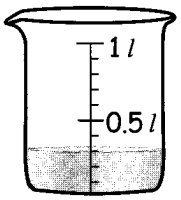
(b)



kg

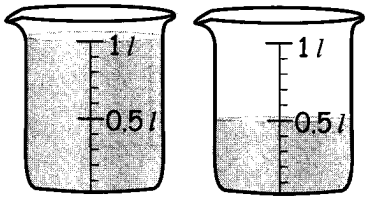
4. Write the volume in litres.

(a)



l

(b)



l

5. Write a decimal for each of the following:

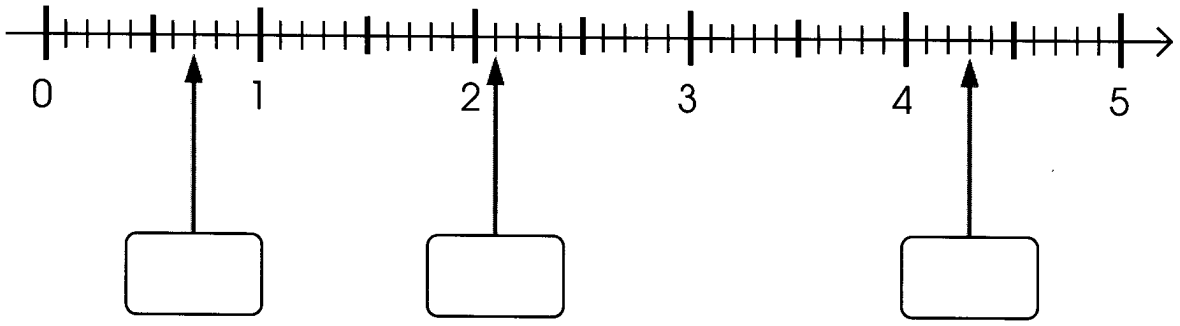
(a) 12 tenths

(b) 33 tenths

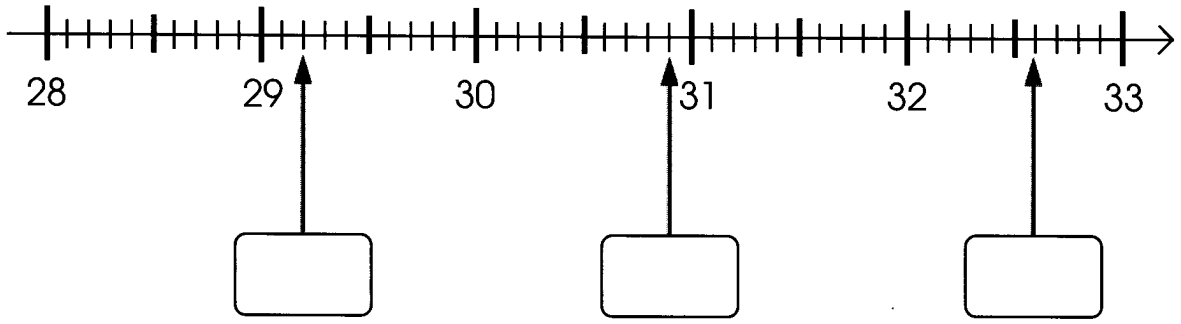
(c) 7 tenths

6. Fill in the boxes with decimals.

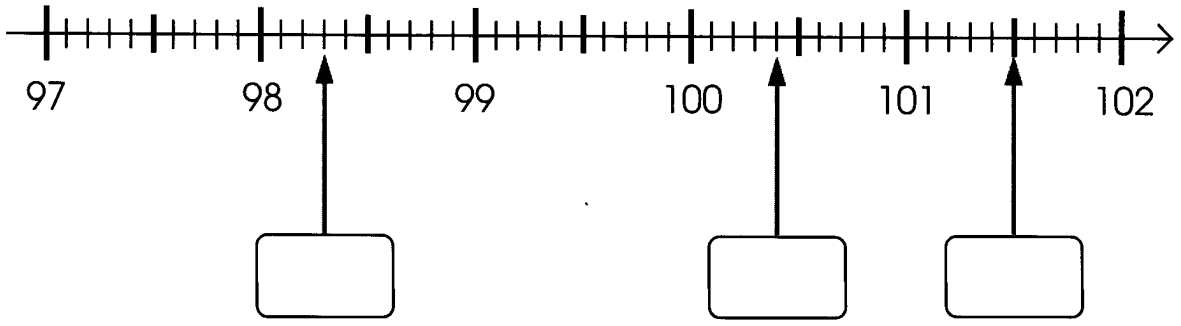
(a)



(b)



(c)



WORKSHEET 27

Date: ____

Hundredths

1. Write a decimal for each of the following.

(a)

Ones	Tenths	Hundredths
	(0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1) (0.1)	(0.01) (0.01) (0.01)

(b)

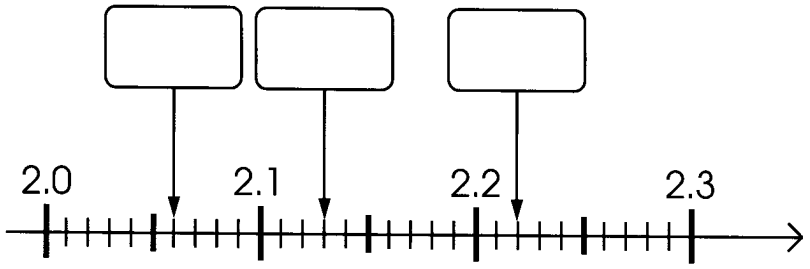
Ones	Tenths	Hundredths
(1) (1) (1) (1)		(0.01) (0.01) (0.01) (0.01) (0.01) (0.01)

(c)

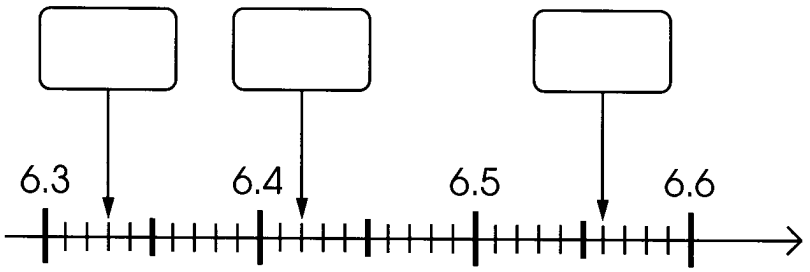
Ones	Tenths	Hundredths
(1) (1) (1) (1) (1) (1) (1)	(0.1) (0.1) (0.1)	(0.01) (0.01) (0.01) (0.01) (0.01) (0.01)

2. Write the missing decimal in each box.

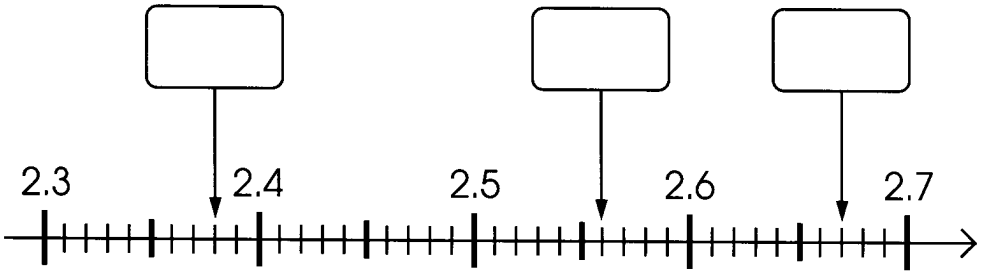
(a)



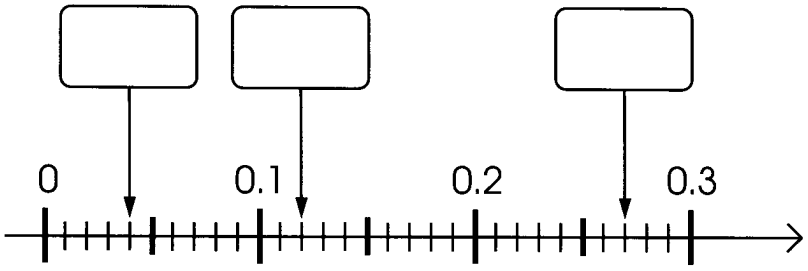
(b)



(c)



(d)



3. Write the missing numbers in each box.

(a) $26.81 = 20 + 6 + \frac{8}{10} + \frac{\square}{100}$

(b) $90.28 = 90 + \frac{\square}{10} + \frac{8}{100}$

(c) $10.73 = 10 + \frac{7}{\square} + \frac{3}{100}$

(d) $1.05 = 1 + \frac{\square}{100}$

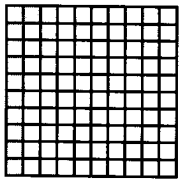
(e) $1.37 = 1 + \frac{37}{\square}$

(f) $107.31 = 107 + \frac{\square}{100}$

(g) $1.73 = 1 + \frac{\square}{10} + \frac{3}{100}$

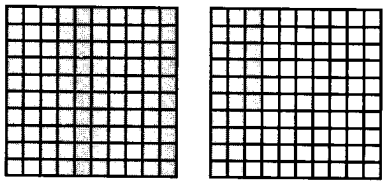
4. Write each of the following as a decimal.

(a)



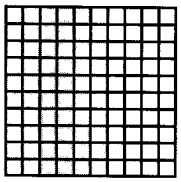
11 hundredths

(b)



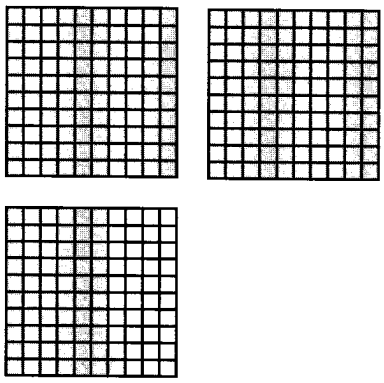
1 whole 26 hundredths

(c)



58 hundredths

(d)



2 wholes 62 hundredths

WORKsheet 28

Date: _____

Thousandths

1. Write a decimal for each of the following:

(a)

Ones	Tenths	Hundredths	Thousandths
			0.001 0.001 0.001 0.001 0.001

_____

(b)

Ones	Tenths	Hundredths	Thousandths
	0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01	0.001 0.001 0.001

_____

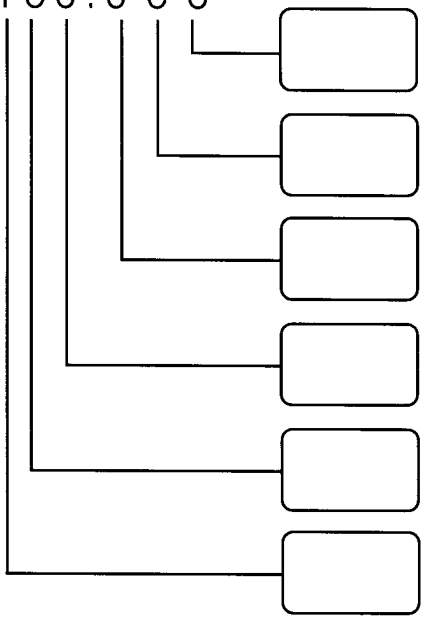
(c)

Ones	Tenths	Hundredths	Thousandths
1 1 1 1 1 1	0.1 0.1		0.001 0.001

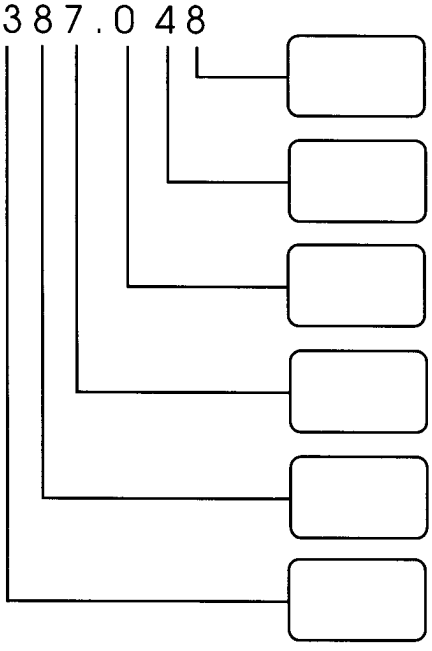
_____

2. Write the values of the digits in each number.

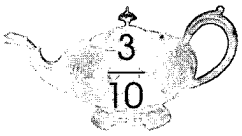
(a) 158.355



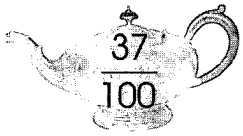
(b) 387.048



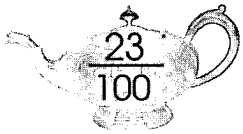
3. Express the following as decimals.

(a) 

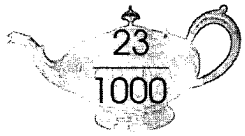
= ☐

(b) 

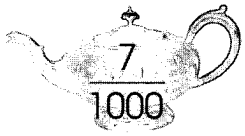
= ☐

(c) 

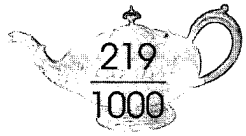
= ☐

(d) 

= ☐

(e) 

= ☐

(f) 

= ☐

(g) 

= ☐

(h) 

= ☐

(i) 35 thousandths = ☐

(j) 206 thousandths = ☐

4. Write the answers in decimals.

(a) $2 + \frac{2}{100} =$ ☐

(b) $10 + \frac{5}{10} + \frac{9}{1000} =$ ☐

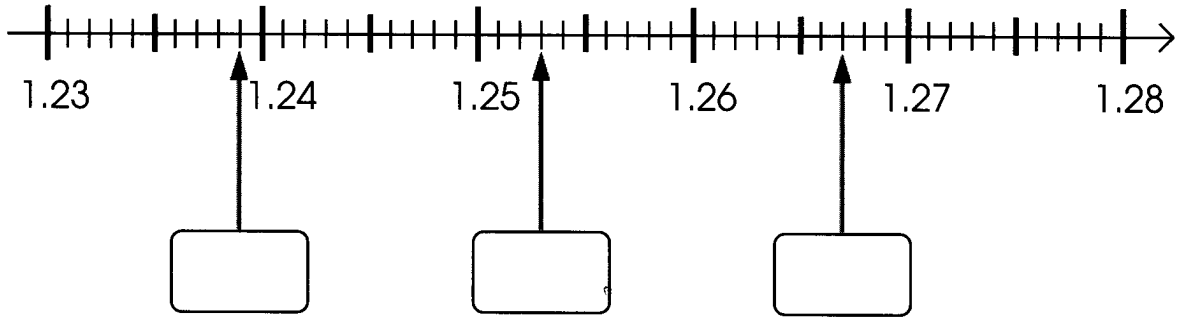
(c) $7 + \frac{8}{10} + \frac{1}{100} + \frac{3}{1000} =$ ☐

(d) $14 + \frac{25}{1000} =$ ☐

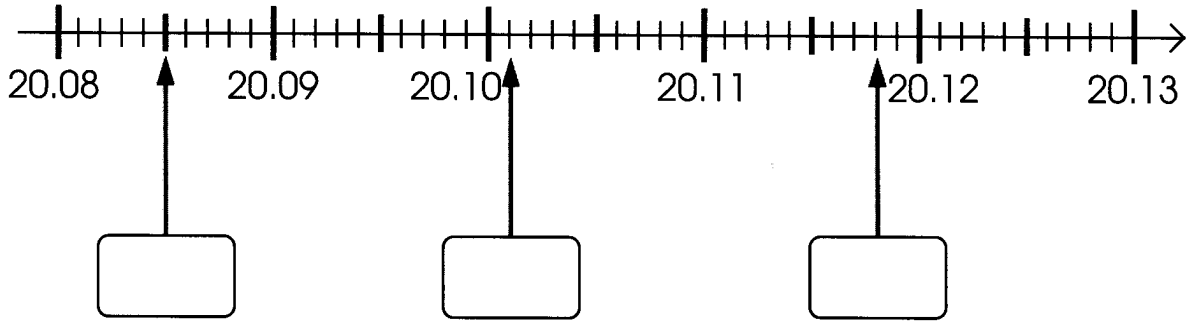
(e) $315 + \frac{176}{1000} =$ ☐

5. Fill in the missing decimals.

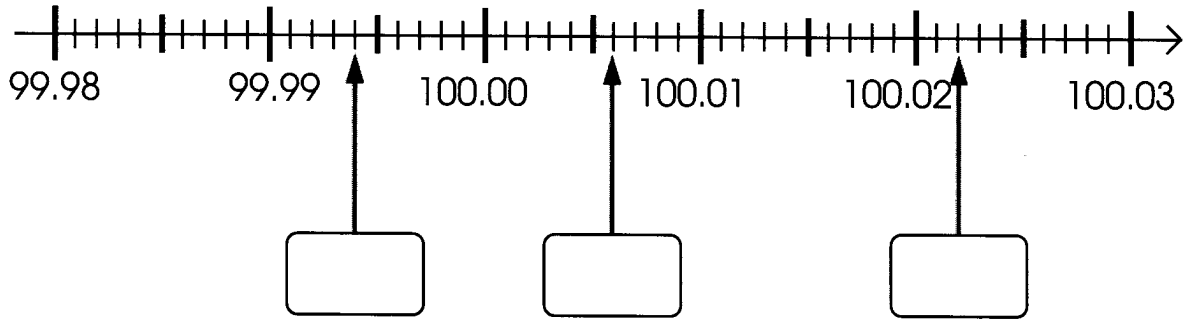
(a)



(b)



(c)

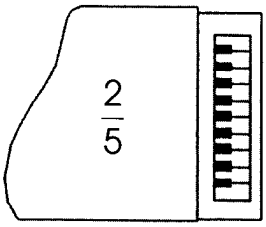


WORKSHEET 29

Date:

Conversion between Fractions and Decimals

1. Express the following fractions as decimals.

(a) 

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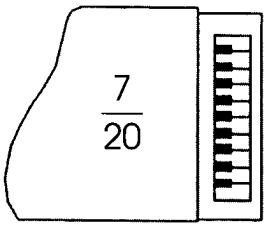
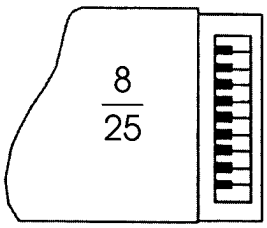
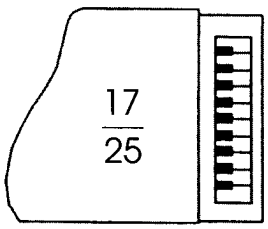
(b) 

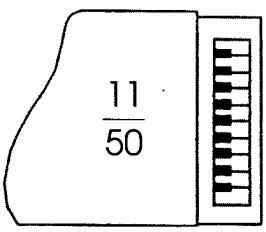
.....

(c) 

.....

(d) 

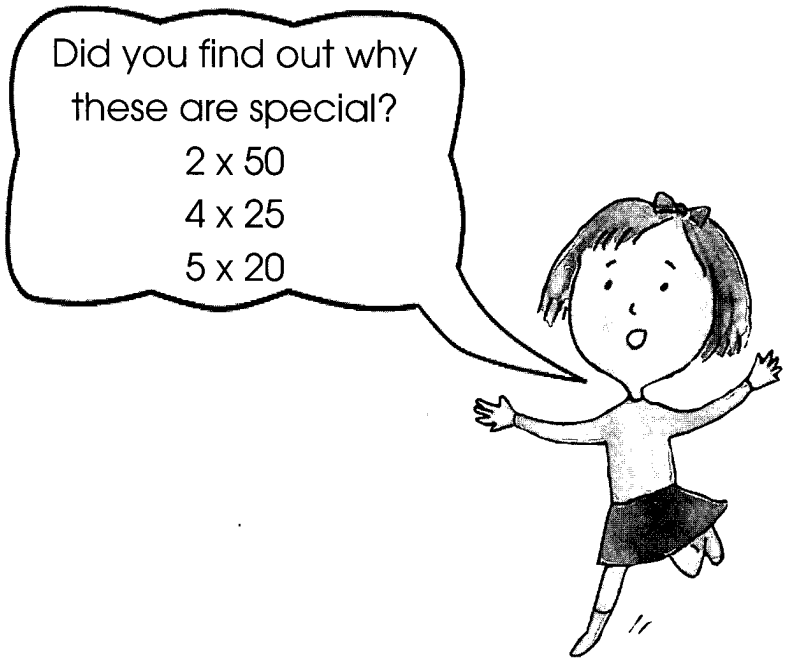
.....

(e) 

.....

2. In each of the following, change the denominator either to 10 or 100, and then convert the fraction to a decimal.

(a) $1\frac{1}{2} = 1\frac{\square}{10}$ $= \square$	(b) $3\frac{1}{5} = 3\frac{\square}{10}$ $= \square$
(c) $2\frac{3}{4} = 2\frac{\square}{100}$ $= \square$	(d) $4\frac{3}{20} = 4\frac{\square}{100}$ $= \square$
(e) $8\frac{4}{25} = 8\frac{\square}{100}$ $= \square$	(f) $10\frac{4}{50} = 10\frac{\square}{100}$ $= \square$



3. Express the following decimals as fractions in the simplest form.

(a) $0.25 = \frac{\square}{\square}$

$= \frac{\square}{\square}$

(b) $0.4 = \frac{\square}{\square}$

$= \frac{\square}{\square}$

(c) $0.255 = \frac{\square}{\square}$

$= \frac{\square}{\square}$

(d) $0.75 = \frac{\square}{\square}$

$= \frac{\square}{\square}$

(e) $0.406 = \frac{\square}{\square}$

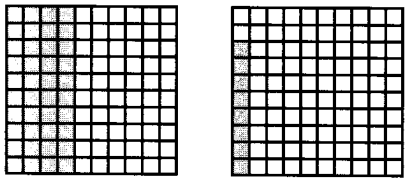
$= \frac{\square}{\square}$

WORKSHEET 30

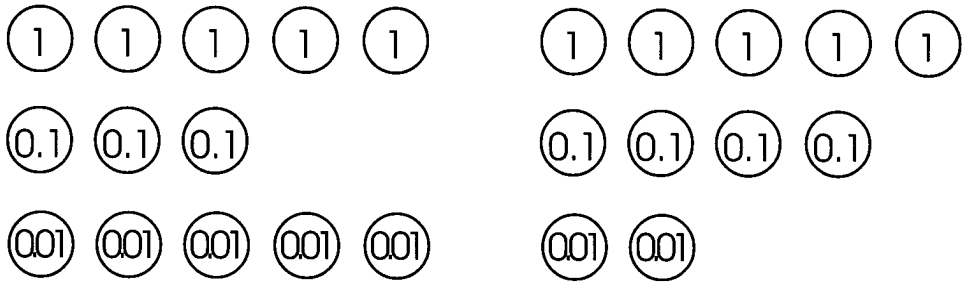
Date: ____

Comparing and Ordering Decimals

1. Write 'greater' or 'smaller' in each of the following blanks.

(a) 

0.4 is ____ than 0.08 .

(b) 

5.35 is ____ than 5.42.

(c) 9.73 is ____ than 9.8.

(d) 1.3 is ____ than 0.86.

(e) 15.9 is ____ than 0.159.

2. Circle the smallest number in each of the following groups.

(a) 1.14 1.8 0.88 1.2

(b) 9.7 1.09 9.01 9.67

(c) 8.4 8.98 8.09 9

(d) 14.2 13.96 13 14.01

3. Circle the greatest number in each of the following groups.

(a) 3.69 3.8 4 4.03

(b) 2.73 2.9 2.09 1.39

(c) 6 6.8 6.91 6.937

(d) 7.08 6.99 7.1 7.03

4. Arrange the numbers from the smallest to the greatest.

(a) 2.9, 2.89, 2.93, 2.99

☐ , ☐ , ☐ , ☐

(b) 23.69, 23.7, 23.58, 23.5

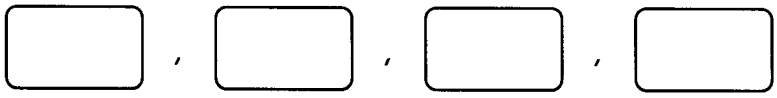
☐ , ☐ , ☐ , ☐

(c) 97.79, 97.65, 97.8, 98.1

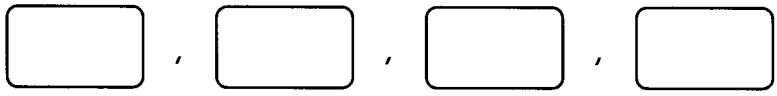
☐ , ☐ , ☐ , ☐

5. Arrange the numbers from the biggest to the smallest.

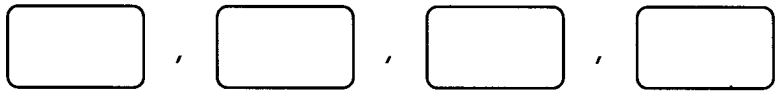
(a) 6.003 6.0 6.03 0.60



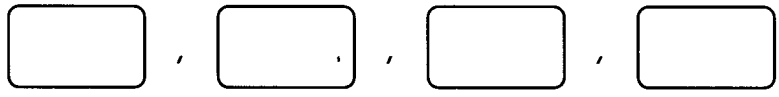
(b) 9.899 9.682 9.395 9.988



(c) 4.886 4.3 4.683 4.9



(d) 3.87 4.31 3.81 3.79



6. Write 'greater than', 'smaller than', or 'equal to' in the boxes.

(a) $2\frac{59}{1000}$ is ☐ 2.063.

(b) 8.298 is ☐ $8\frac{300}{1000}$.

(c) $8\frac{4}{5}$ is ☐ 8.91.

(d) 12.8 is ☐ $12\frac{7}{10}$.

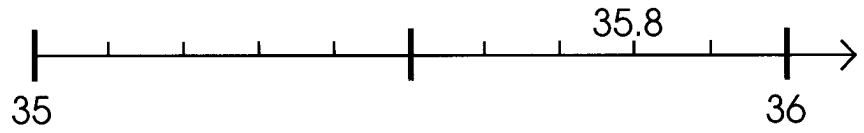
(e) 0.015 is ☐ $\frac{16}{1000}$.

WORKSHEET 31

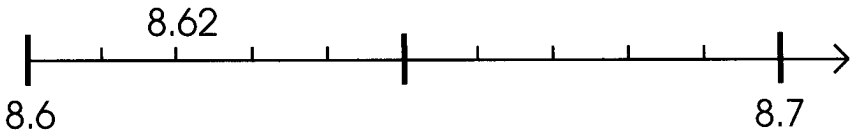
Date: ____

Rounding Off Decimals

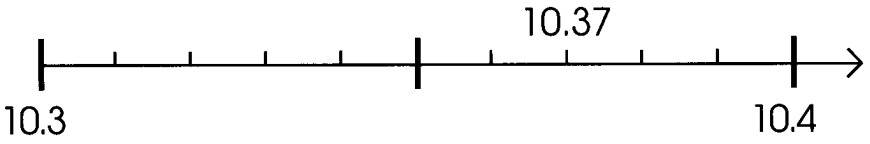
1. Fill in the blanks.

(a) 

35.8 is ____ when rounded off to the nearest whole number.

(b) 

8.62 is ____ when rounded off to 1 decimal place.

(c) 

10.37 is ____ when rounded off to 1 decimal place.

2. Round off the decimals to the nearest whole number.

(a) 2.35 ≈ ☐

(b) 8.4 ≈ ☐

(c) 9.9 ≈ ☐

(d) 7.92 ≈ ☐

3. Round off the decimals to 1 decimal place.

(a) 1.56 ≈ ☐

(b) 3.39 ≈ ☐

(c) 7.45 ≈ ☐

(d) 6.48 ≈ ☐

(e) 6.53 ≈ ☐

4. Round off the decimals to 2 decimal places.

(a) 5.627 ≈ ☐

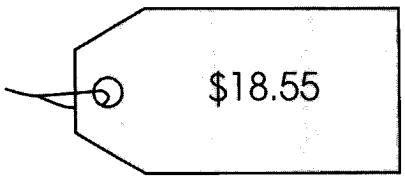
(b) 1.035 ≈ ☐

(c) 2.109 ≈ ☐

(d) 3.999 ≈ ☐

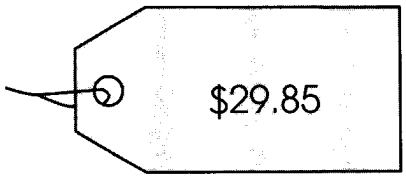
5. Round off each of the following to the nearest dollar.

(a)



☐

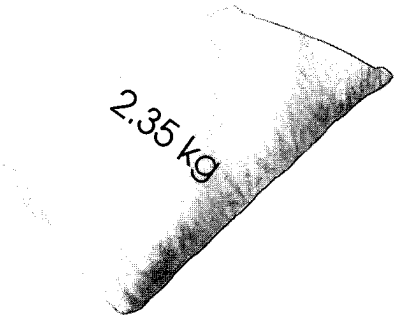
(b)



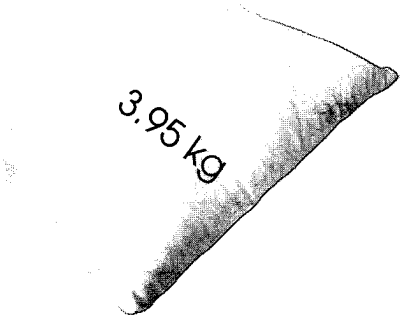
☐

6. Round off each of the following to the nearest kilogram.

(a)



(b)



7. John weighs 43.8 kg. Round off his mass to the nearest kilogram.

8. The distance between town A and town B is 17.6 km.
Round off this distance to the nearest kilometre.

Practice 8

Date: _____

1. Write a decimal for each of the following:

(a)

Tens	Ones	Tenths
10 10 10 10	1 1	0.1 0.1 0.1 0.1 0.1 0.1

_____

(b)

Tens	Ones	Tenths	Hundredths
10	1 1 1 1 1 1	0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

_____

(c)

Tens	Ones	Tenths	Hundredths	Thousandths
10 10 10	1 1 1 1 1	0.1		0.001 0.001 0.001 0.001

_____

2. Round off the following decimals to the nearest whole number.

(a) 6.025 ≈ ☐

(b) 2.506 ≈ ☐

(c) 7.099 ≈ ☐

3. Round off the following decimals to 1 decimal place.

(a) 3.76 ≈ ☐

(b) 7.02 ≈ ☐

(c) 4.33 ≈ ☐

4. Round off the following decimals to 2 decimal places.

(a) 2.169 ≈ ☐

(b) 9.067 ≈ ☐

(c) 6.209 ≈ ☐

5. Fill in the boxes with the correct answers.

(a) $6.372 = 6 + \frac{3}{10} + \frac{\square}{100} + \frac{2}{1000}$

(b) $2 + 0.2 + 0.007 = \square$

(c) $8.055 = 8 + \frac{\square}{100} + \frac{5}{1000}$

(d) $3 + \frac{7}{100} + \frac{\square}{1000} = 3.076$

6. Arrange these numbers from the smallest to the greatest.

(a) 4.27 402.7 40.27 0.427

□ , □ , □ , □

(b) 105.5 1.055 10.55 1.55

□ , □ , □ , □

7. Fill in the blanks.

(a) In 18.06, the digit ☐ is in the tenths place.

Its value is ☐.

(b) In 3.97, the digit ☐ is in the tenths place.

Its value is ☐.

(c) In 19.85, the digit 8 is in the ☐ place.

Its value is ☐.

(d) In 63.09, the digit 9 is in the ☐ place.

Its value is ☐.

(e) In 5.631, the digit 1 is in the ☐ place.

Its value is ☐.

(f) In 16.728, the digit 8 is in the ☐ place.

Its value is ☐.

(g) In 103.258, the digit 5 is in the ☐ place.

Its value is ☐.

9 Decimals (II)

WORKSHEET 32

Date: ____

Addition of Decimals

1. Fill in the following blanks.

(a)

(0.1) (0.1) + (0.1) (0.1) (0.1) (0.1) (0.1)

2 tenths + 5 tenths = ____ tenths

0.2 + 0.5 = ____

(b)

(0.1) (0.1) (0.1) (0.1) (0.1) + (0.1) (0.1) (0.1) (0.1) (0.1)
(0.1) (0.1) (0.1) (0.1)

9 tenths + 5 tenths = ____ tenths

0.9 + 0.5 = ____

(c)

4 tenths + 2 tenths = ____ tenths

0.4 + 0.2 = ____

2. Add the following.

(a) 1.2 + 3.4 = ☐

$$\begin{array}{r} 1.2 \\ +\,3.4 \\ \hline \end{array}$$

(b) 4.3 + 5.6 = ☐

(c) 16.5 + 8.9 = ☐

(d) 38.9 + 16.8 = ☐

3. Add the following.

(a) $19.24 + 8.26$

(b) $18.65 + 41.86$

(c) $24.80 + 32.29$

(d) $66.19 + 23.81$

4. Add.

(a) 89.26 + 10.85 = ☐

$$\begin{array}{r} 89.26 \\ +\ 10.85 \\ \hline \end{array}$$

Estimation:
89.26 + 10.85 ≈ ☐
My answer should be close to ☐.

(b) 63.79 + 36.48 = ☐

Estimation:
63.79 + 36.48 ≈ ☐
My answer should be close to ☐.

(c) 71.53 + 24.62 = ☐

Estimation:
71.53 + 24.62 ≈ ☐
My answer should be close to ☐.

5. Some books weigh 4.58 kg and a dictionary weighs 2.12 kg. Find the total mass of the books and the dictionary.

6. A gold ring costs $89.75 and a watch costs $95.30. Find the total cost of the gold ring and the watch.

WORKSHEET 33

Date: _____

Subtraction of Decimals

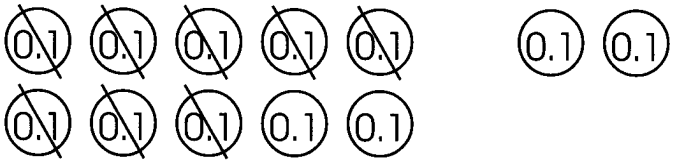
1. Fill in the blanks.

(a)

9 tenths – 3 tenths = _____ tenths

0.9 – 0.3 = _____

(b)



12 tenths – 8 tenths = _____ tenths

1.2 – 0.8 = _____

(c)

8 tenths – 6 tenths = _____ tenths

0.8 – 0.6 = _____

(d)

10 tenths – 9 tenths = _____ tenth

1 – 0.9 = _____

2. Subtract.

(a) 8.3 − 0.4 = ☐ 8.3 − 0.4	(b) 16.9 − 0.6 = ☐
(c) 13.4 − 8.5 = ☐	(d) 15.8 − 8.9 = ☐
(e) 6 − 0.8 = ☐	(f) 4 − 0.9 = ☐

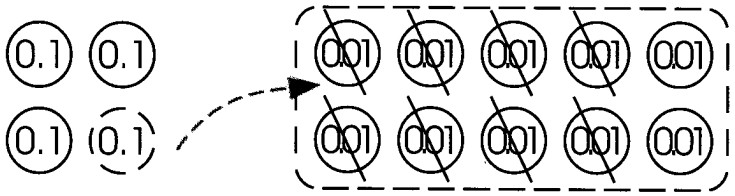
3. Fill in the blanks.

(a)

9 hundredths – 4 hundredths = ☐ hundredths

0.09 – 0.04 = ☐

(b)



4 tenths – 8 hundredths

= 3 tenths 10 hundredths – 8 hundredths

= ☐ tenths ☐ hundredths

0.4 – 0.08 = ☐

(c)

0.8 – 0.06 = ☐

(d)

1 – 0.07 = ☐

4. Subtract.

(a) 8.43 − 3.86 = ☐

$$\begin{array}{r} 8.43 \\ -\ 0.86 \\ \hline \end{array}$$

(b) 18.31 − 4.83 = ☐

(c) 24.6 − 4.94 = ☐

(d) 8 − 2.34 = ☐

(e) 11.2 – 3.41 = ☐

$$\begin{array}{r} 11.20 \\ -\ 3.41 \\ \hline \end{array}$$

(f) 23.5 – 5.35 = ☐

$$\begin{array}{r} 23.50 \\ -\ 5.35 \\ \hline \end{array}$$

(g) 7.84 – 0.9 = ☐

$$\begin{array}{r} 7.84 \\ -\ 0.90 \\ \hline \end{array}$$

(h) 43.45 – 25.8 = ☐

$$\begin{array}{r} 43.45 \\ -\ 25.80 \\ \hline \end{array}$$

5. Subtract.

(a) 32.14 − 16.09 = ☐

$$\begin{array}{r} 32.14 \\ -\ 16.09 \\ \hline \end{array}$$

Estimation:
32.14 − 16.09 ≈ ☐
My answer should be close to ☐.

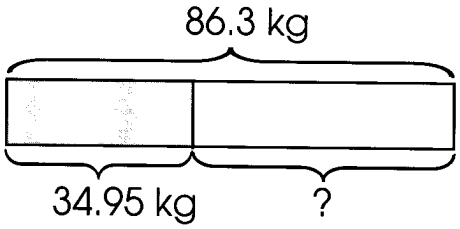
(b) 45.3 − 28.76 = ☐

Estimation:
45.3 − 28.76 ≈ ☐
My answer should be close to ☐.

(c) 60 − 51.97 = ☐

Estimation:
60 − 51.97 ≈ ☐
My answer should be close to ☐.

6. The total mass of a dining table and some chairs is 86.3 kg. The chairs weigh 34.95 kg. What is the mass of the table?



7. John bought a book at $30.25 and another book at $16.95. How much more did the first book cost than the second?

WORKsheet 34

Date: ____

Multiplication of Decimals

1. Write your answers in the boxes provided.

(a) (0.1) (0.1) (0.1)
(0.1) (0.1) (0.1)

3 tenths × 2 = ____ tenths

0.3 × 2 = ____

(b)

3 tenths × 7 = ____ tenths

0.3 × 7 = ____

(c)

8 tenths × 9 = ____ tenths

0.8 × 9 = ____

(d)

0.4 × 6 = ____

2. Multiply.

(a) $5.6 \times 2 =$ ☐ $\begin{array}{r} 5.6 \\ \times \quad 2 \\ \hline \end{array}$	(b) $25.6 \times 9 =$ ☐
(c) $10.3 \times 7 =$ ☐	(d) $18.31 \times 5 =$ ☐
(e) $0.78 \times 3 =$ ☐	(f) $56.85 \times 9 =$ ☐

3. Multiply.

(a) 12.7 × 3 = ☐

$$\begin{array}{r} 12.7 \\ \times \quad 3 \\ \hline \end{array}$$

Estimation:
12.7 × 3 ≈ ☐ × 3 = ☐
My answer should be close to ☐.

(b) 8.36 × 5 = ☐

Estimation:
8.36 × 5 ≈ ☐ × 5 = ☐
My answer should be close to ☐.

(c) 39.54 × 8 = ☐

Estimation:
39.54 × 8 ≈ ☐ × 8 = ☐
My answer should be close to ☐.

4. The volume of water in a mug is 0.35 *l*. The volume of water in a pail is 6 times that of the mug. Find the volume of water in the pail.

5. Sean spent $43.65. John spent 3 times as much money as Sean. How much did they spend altogether?

6. A cashier in a store is paid $7.65 per hour. A manager is paid 3 times as much as a cashier. How much is a manager paid for 1 hour of work?

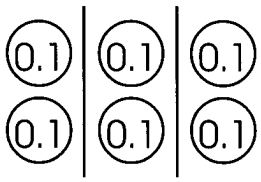
WORKSHEET 35

Date: ____

Division of Decimals

1. Write answers in the boxes provided.

(a)



6 tenths ÷ 2 = ____ tenths

0.6 ÷ 3 = ____

(b)

25 tenths ÷ 5 = ____ tenths

2.5 ÷ 5 = ____

(c)

36 tenths ÷ 6 = ____ tenths

3.6 ÷ 6 = ____

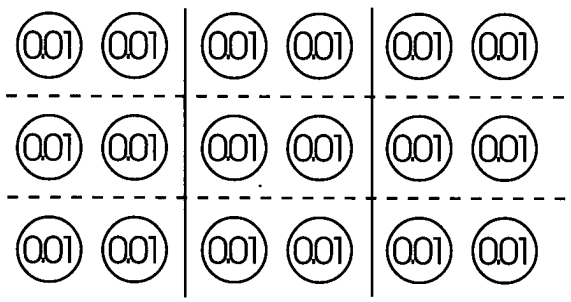
(d)

56 tenths ÷ 8 = ____ tenths

5.6 ÷ 8 = ____

2. Write your answers in the boxes provided.

(a)



18 hundredths ÷ 9 = ☐ hundredths

0.18 ÷ 9 = ☐

(b)

25 hundredths ÷ 5 = ☐ hundredths

0.25 ÷ 5 = ☐

(c)

35 hundredths ÷ 7 = ☐ hundredths

0.35 ÷ 7 = ☐

(d)

81 hundredths ÷ 9 = ☐ hundredths

0.81 ÷ 9 = ☐

3. Divide.

(a) $9.5 \div 5 =$ ☐ $5\overline{)9.5}$	(b) $18.9 \div 7 =$ ☐
(c) $0.84 \div 7 =$ ☐	(d) $69.57 \div 9 =$ ☐
(e) $12 \div 5 =$ ☐	(f) $15 \div 4 =$ ☐
(g) $51 \div 2 =$ ☐	(h) $26 \div 8 =$ ☐

4. Divide.

(a) $31.2 \div 6 =$ ☐

$6\overline{)31.2}$

Estimation:
$30 \div 6 = 5$
$36 \div 6 = 6$
31.2 is closer to 30 than to 36.
$31.2 \div 6 \approx$ ☐ $\div 6 =$ ☐
My answer should be close to ☐.

(b) $18.93 \div 3 =$ ☐

Estimation:
$18 \div 3 = 6$
$21 \div 3 = 7$
18.93 is closer to 19 than to 21.
$18.93 \div 3 \approx$ ☐ $\div 3 =$ ☐
My answer should be close to ☐.

(c) $37 \div 4 =$ ☐

Estimation:
$36 \div 4 = 9$
$40 \div 4 = 10$
37 is closer to 36 than to 40.
$37 \div 4 \approx$ ☐ $\div 4 =$ ☐
My answer should be close to ☐.

5. Mary's father is 4 times as heavy as she. If their total mass is 117.5 kg, find Mary's mass.

6. 5 identical mugs weigh 3 kg. Find the mass of one mug.

WORKSHEET 36

Date:

Word Problems

1. Mrs Smith bought 7 kg of flour. 1 kg of flour cost $1.90. If she gave the shopkeeper a $50 note, how much change did she receive?

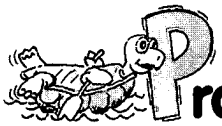
2. The capacity of container A is 2.5 litres. The capacity of container B is 8 times the capacity of container A. What is the total capacity of both containers? Round off your answer to the nearest litre.

3. The capacity of a water tank is 10 times that of a pail. If the capacity of the tank is 3.6 *l* more than that of the pail, what is the capacity of the tank?

4. Siti paid a total of $98 for a necklace and a purse. The necklace cost $18.20 more than the purse. Find the cost of the purse.

5. Peter and Mary have a total of $80. After Peter spends $5.25 on a book, he is left with 4 times as much money as Mary. How much does Mary have?

6. Cable A is 5.37 m long. Cable B is 4 times as long as Cable A. Find the total length of Cable A and Cable B. Round off your answer to 1 decimal place.



Practice 9

Date: ☐

1. 36.4 + 2.96 = ☐

2. 93.72 − 46.29 = ☐

3. 18.16 × 9 = ☐

4. (a) 3.06 ÷ 3 = ☐

(b) 254 ÷ 8 = ☐

5. John gets $4 every day from his father. He spends $2.65 and saves the rest. How much money does he save in 7 days? Round off your answer to the nearest dollar.

6. Joanne bought 6 packets of flour at $23.70. How much change would she get if she gave the cashier $10 for a packet of flour?

10 Angles

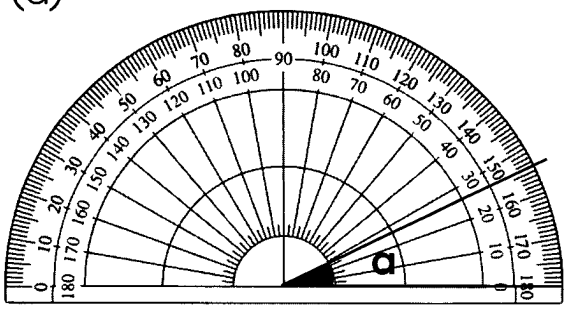
WORKSHEET 37

Date: ☐

Estimating and Measuring Angles

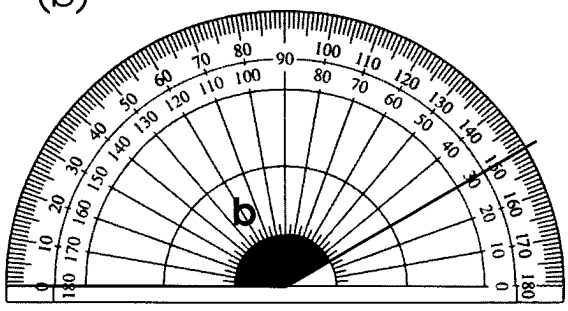
1. Write down the size of each angle in degrees.

(a)



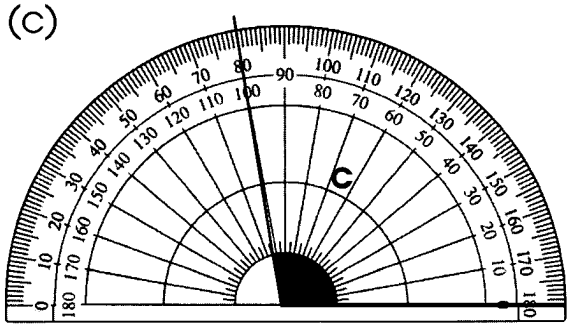
$\angle a =$ ☐ °

(b)



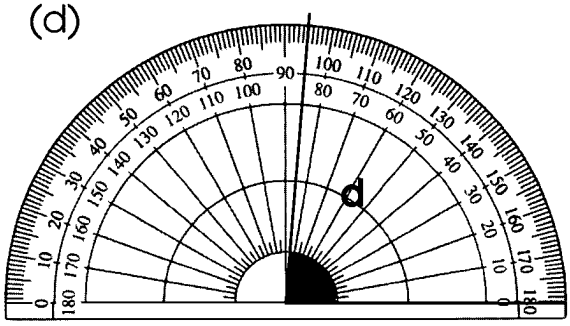
$\angle b =$ ☐ °

(c)



$\angle c =$ ☐ °

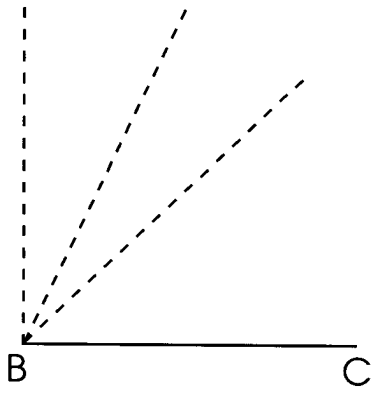
(d)



$\angle d =$ ☐ °

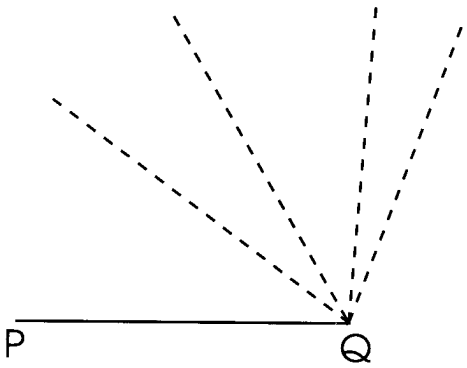
2. In the following figures, find out the angles stated on the right. Write the missing letter next to the correct lines.

(a)



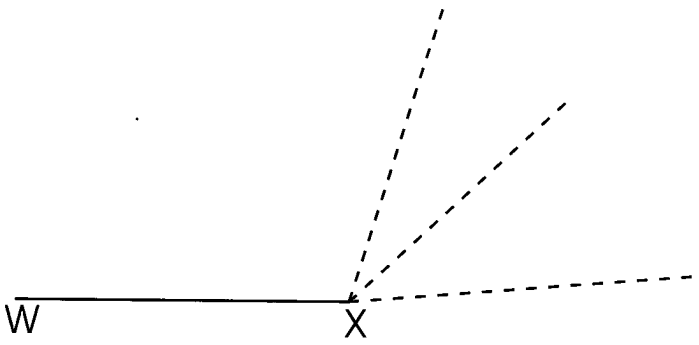
$\angle ABC = 90°$

(b)



$\angle PQR = 60°$

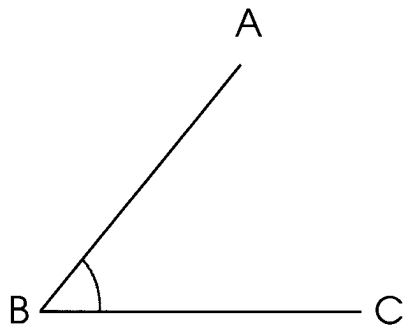
(c)



$\angle WXY = 175°$

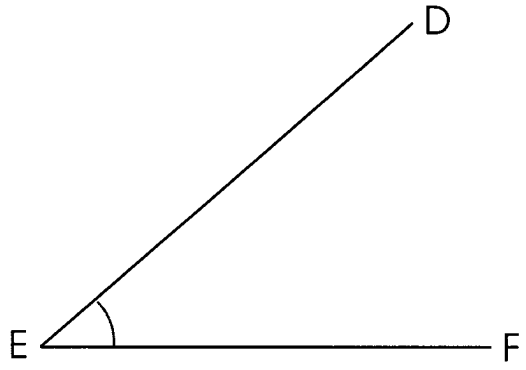
3. Measure the angles in each of the following:

(a)



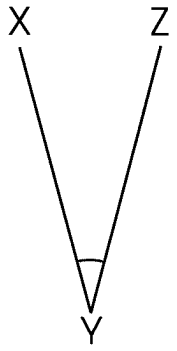
$\angle ABC =$ ☐

(b)



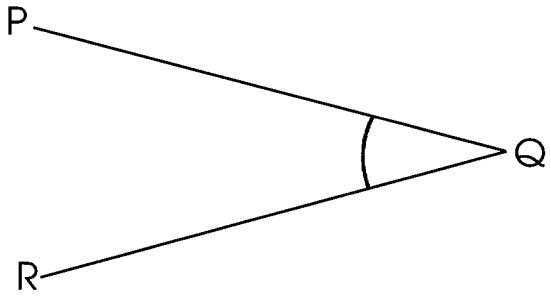
$\angle DEF =$ ☐

(c)



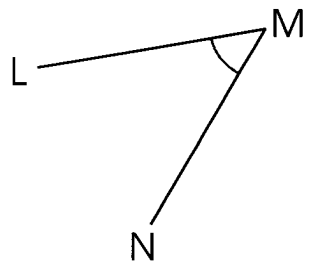
$\angle XYZ =$ ☐

(d)



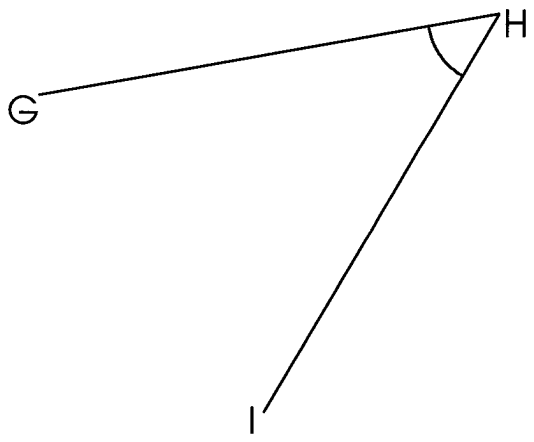
$\angle PQR =$ ☐

(e)



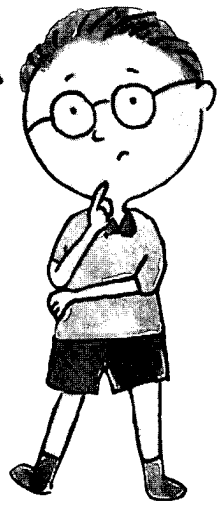
$\angle LMN =$ ☐

(f)



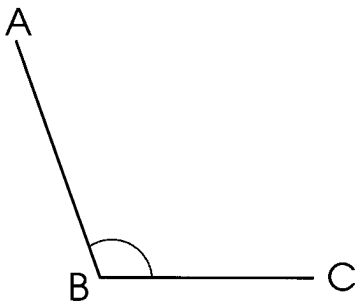
$\angle GHI =$ ☐

What do you observe? Do the size of the angles depend upon the lengths of the line segments?



4. Estimate the following angles and then measure them using a protractor. How close is your estimation to the actual reading?

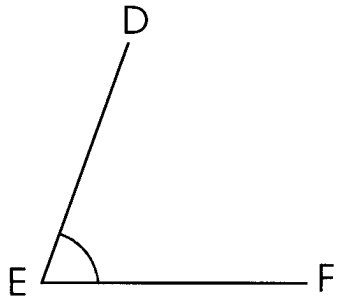
(a)



My estimation: ☐

Actual reading: ☐

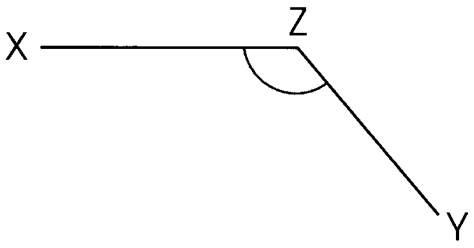
(b)



My estimation: ☐

Actual reading: ☐

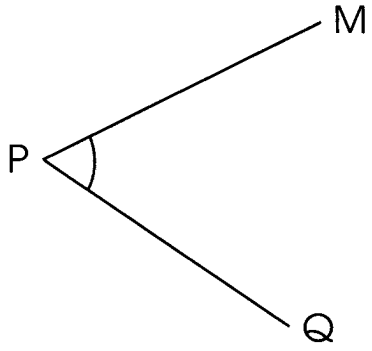
(c)



My estimation: ☐

Actual reading: ☐

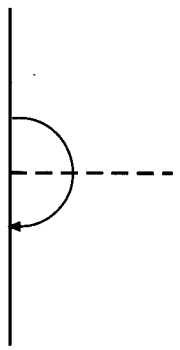
(d)



My estimation: ☐

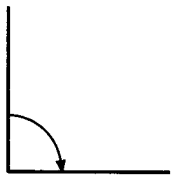
Actual reading: ☐

5. Fill in the blanks.

(a) 

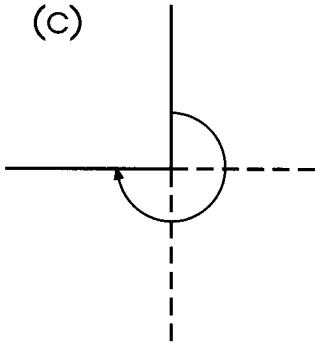
$\frac{1}{2}$ of a complete turn gives ☐ right angles.

It is ☐°.

(b) 

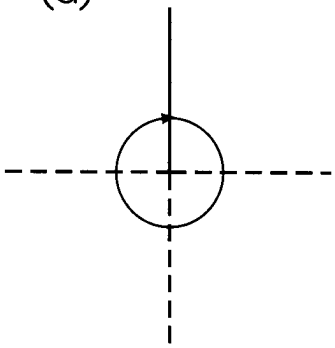
$\frac{1}{4}$ of a complete turn gives ☐ right angle.

It is ☐°.

(c) 

$\frac{\square}{\square}$ of a complete turn gives 3 right angles.

It is ☐°.

(d) 

☐ complete turn gives 4 right angles.

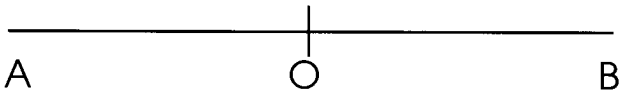
It is ☐°.

WORKSHEET 38

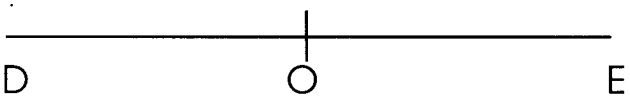
Date:

Drawing Angles

1. Draw an angle BOC of 75° using a protractor with the given straight line.

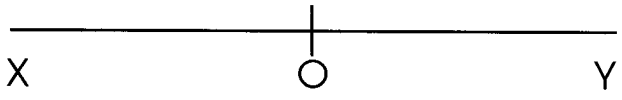


2. Draw an angle DOF of 90° using a protractor with the given straight line.



3. Draw an angle LMP of 150° using a protractor with the given straight line.

4. Draw an angle YOZ of 165° using a protractor with the given straight line.



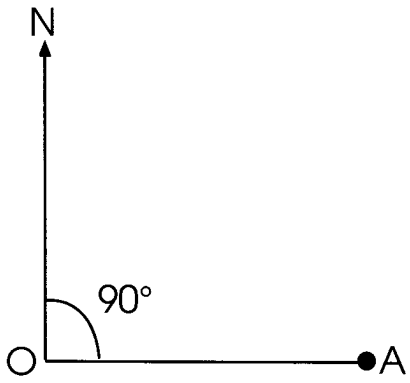
WORKSHEET 39

Date: ☐

8-point Compass

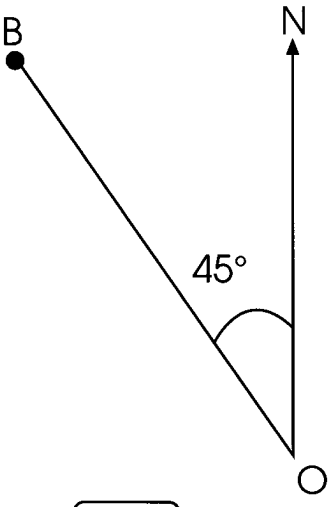
1. Find the direction of A, B, C and D from O.

(a)



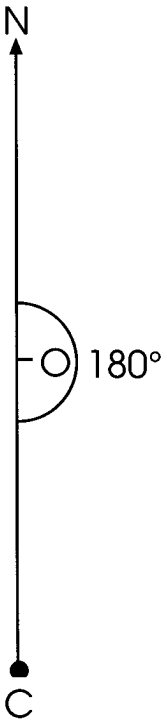
A is ☐ of O.

(b)



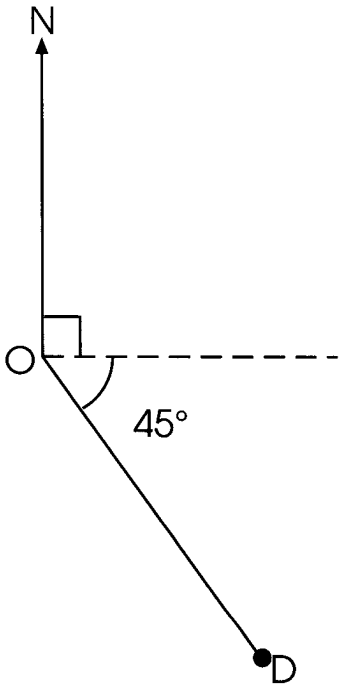
B is ☐ of O.

(c)



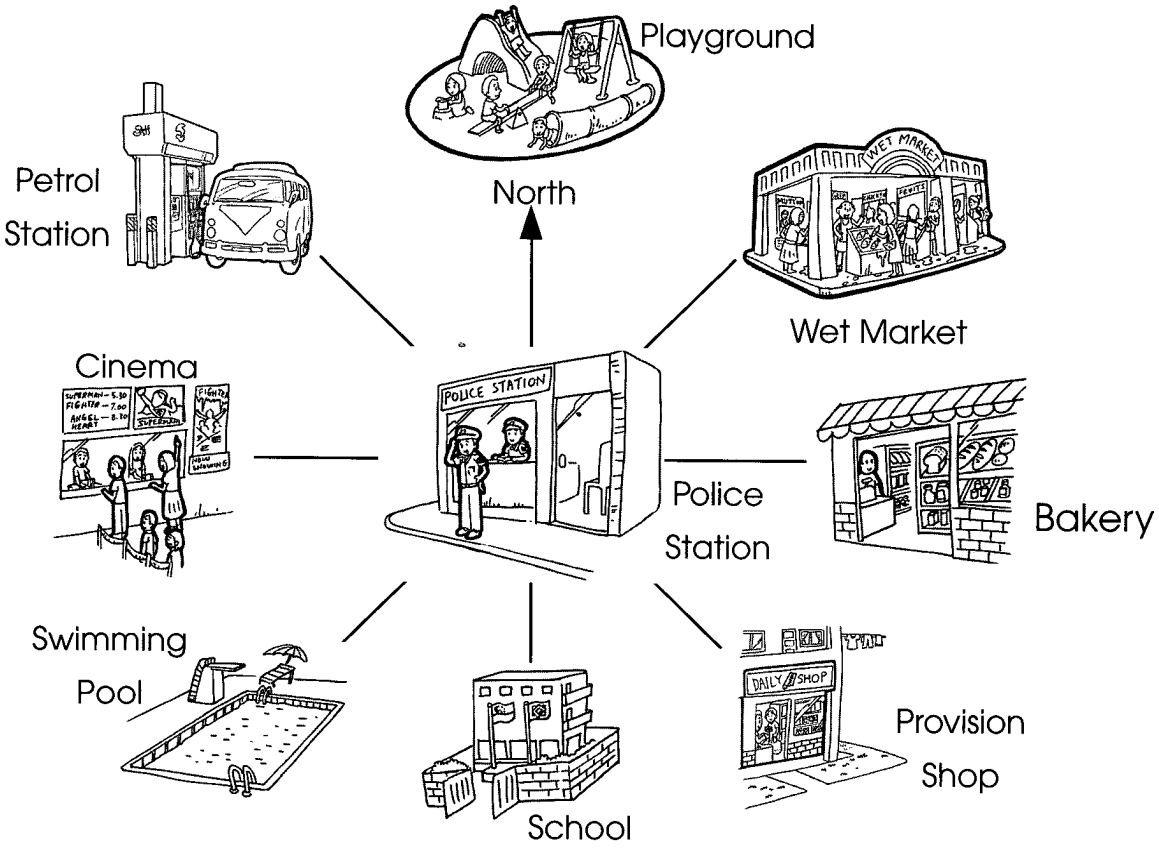
C is ☐ of O.

(d)



D is ☐ of O.

2. Fill in the boxes.



(a) The school is [ ] of the police station.

(b) The swimming pool is [ ] of the police station.

(c) The wet market is [ ] of the police station.

(d) The provision shop is [ ] of the police station.

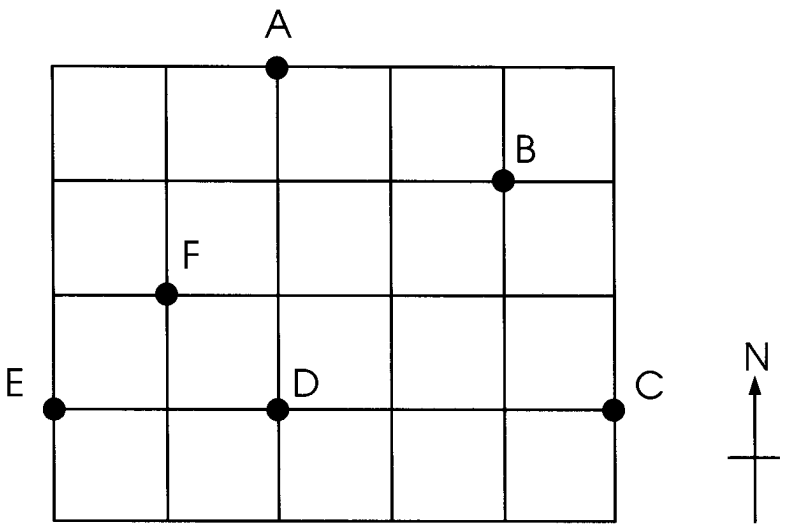
(e) The [ ] is east of the police station.

(f) The [ ] is north of the police station.

(g) The [ ] is northwest of the police station.

(h) The [ ] is west of the police station.

3. Fill in the correct answers.



(a) Point E is ☐ of point C.

(b) Point F is ☐ of point E.

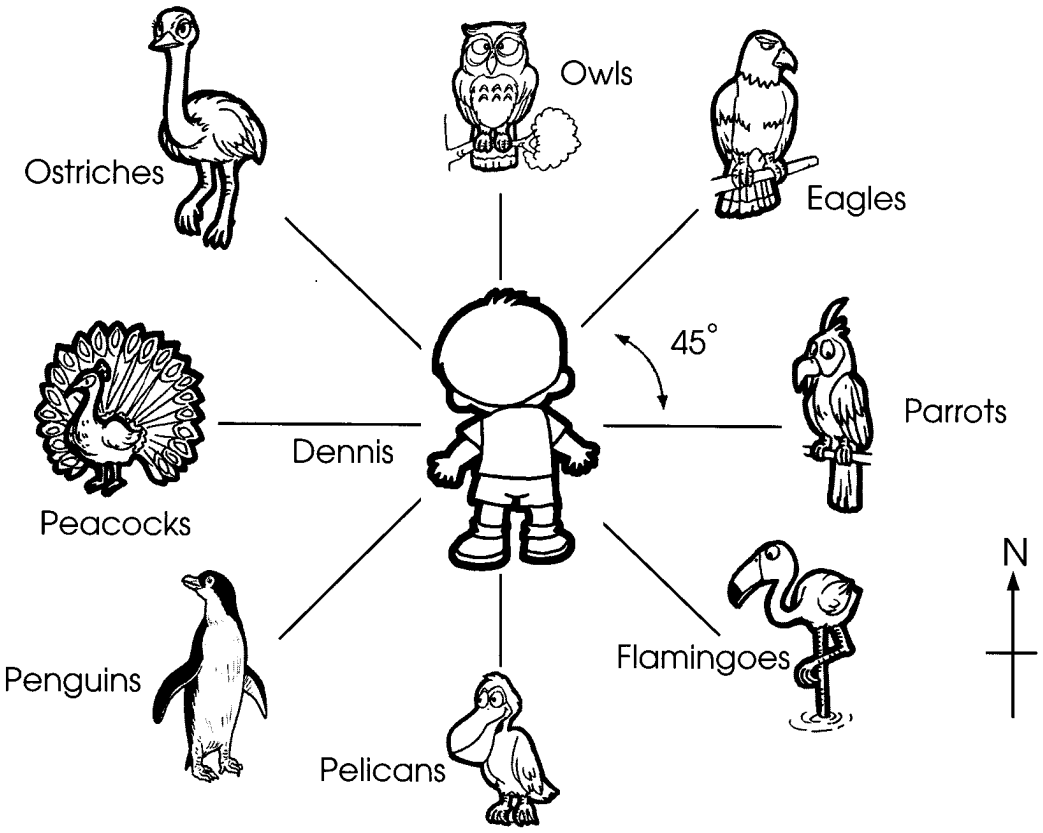
(c) Point D is ☐ of point F.

(d) Point D is ☐ of point B.

(e) Point D is ☐ of point C.

(f) Point A is ☐ of point D.

4. Dennis is standing in the middle of the Bird Park.
Study the diagram and fill in the table.



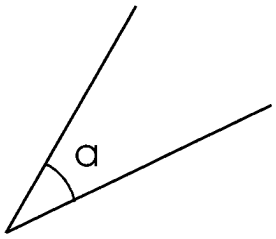
Dennis is now facing	He turns	After turning, he will face the
North	180°	pelicans
Southeast	270° anticlockwise	
West	45° clockwise	
Northwest	☐° clockwise	parrots
East	☐° anticlockwise	owls
	135° anticlockwise	peacocks

Practice 10

Date: ☐

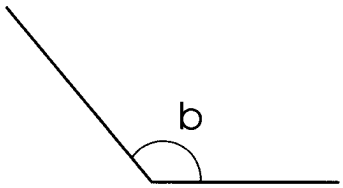
1. Measure these angles carefully and write your answers in the boxes provided.

(a)



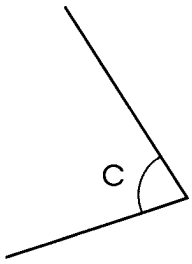
$\angle a =$ ☐ °

(b)



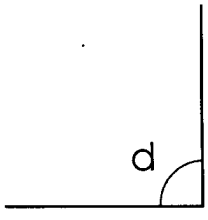
$\angle b =$ ☐ °

(c)



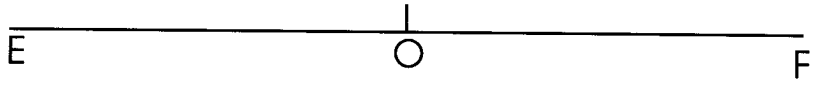
$\angle c =$ ☐ °

(d)

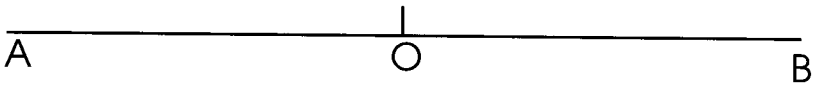


$\angle d =$ ☐ °

2. (a) Draw an angle EOG of 160° using a protractor.

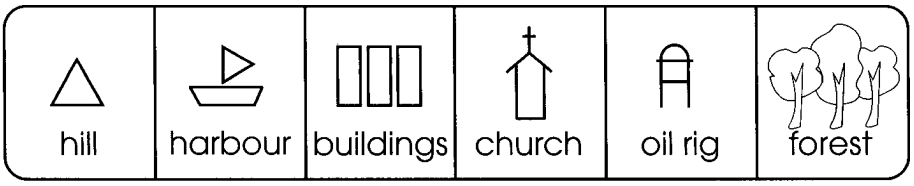


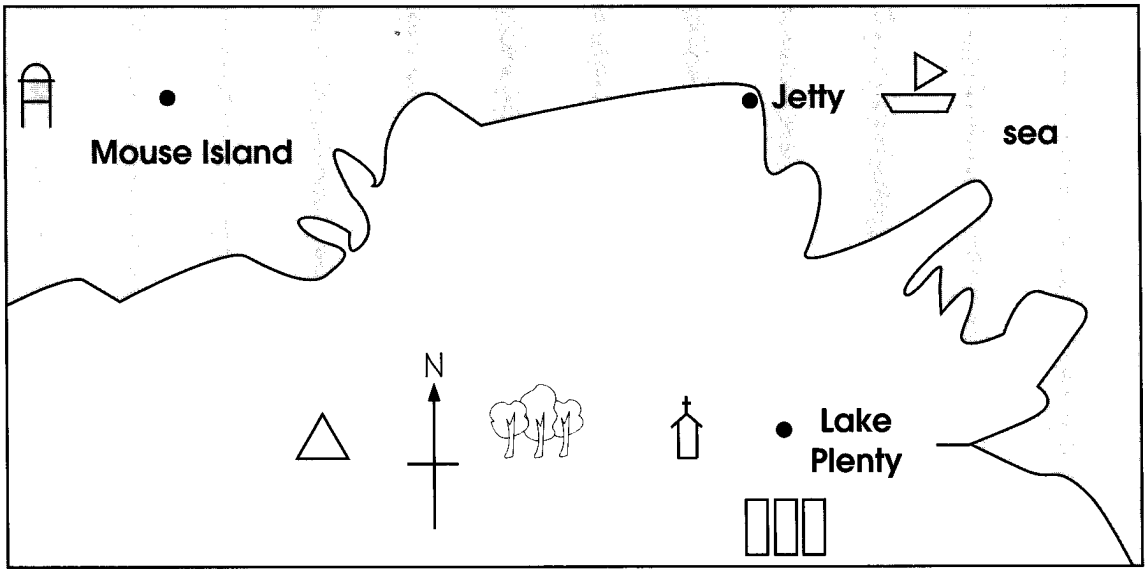
(b) Draw an angle AOC of 35° using a protractor.



3. Look at the map carefully and fill in each box with the correct direction.

Symbols





(a) The oil rig is [ ] of Mouse Island.

(b) The buildings are [ ] of Lake Plenty.

(c) The church is [ ] of the buildings.

(d) The forested area is [ ] of Lake Plenty.

(e) The harbour is [ ] of the jetty.

(f) The hill is [ ] of the forest.

Revision 3A

Date: ☐

1. Write 'greater than', 'less than' or 'equal to' in each of the following boxes.

(a) 0.4 is ☐ 0.58

(b) 9.3 is ☐ 9.29

(c) 0.60 is ☐ 0.6

(d) 16.27 is ☐ 16.3

2. Write the answers in the boxes provided.

(a) $0.04 = \frac{\square}{100}$

(b) $234.58 = 200 + 30 + 4 + \frac{5}{10} + \frac{\square}{100}$

(c) $837.152 = 837 + \frac{\square}{1000}$

(d) $869.007 = 800 + 60 + 9 + \frac{7}{\square}$

3. Fill in the boxes.

(a) In 94.06, the digit ☐ is in the hundredths place.

Its value is ☐.

(b) In 708.42, the digit ☐ is in the tenths place.

Its value is ☐.

(c) In 19.416, the digit 6 is in the ☐ place.

Its value is ☐.

(d) In 87.69, the digit 7 is in the ☐ place.

Its value is ☐.

(e) In 80.429, the digit 2 is in the ☐ place.

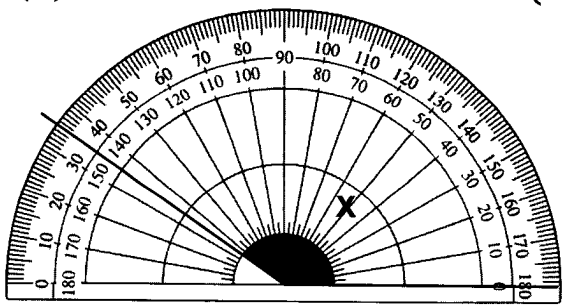
Its value is ☐.

(f) In 21.315, the digit 3 is in the ☐ place.

Its value is ☐.

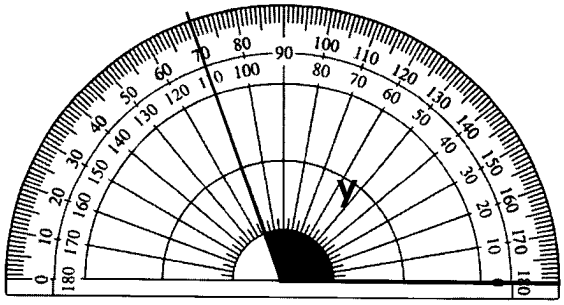
4. Write down the size of each angle in degrees.

(a)



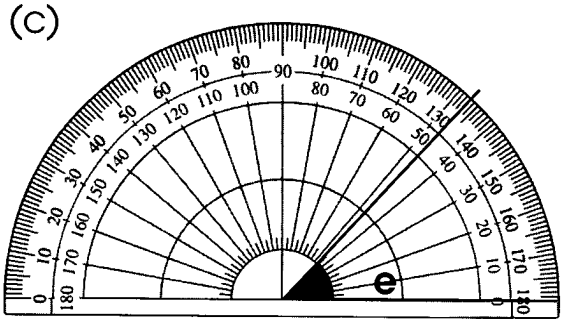
$\angle x =$ ☐ °

(b)



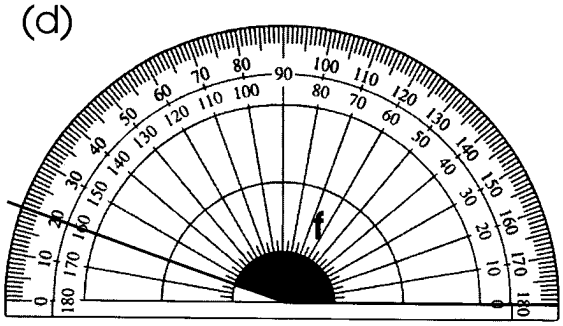
$\angle y =$ ☐ °

(c)



$\angle e =$ ☐ °

(d)



$\angle f =$ ☐ °

5. (a) Round off the following decimals to the nearest whole number.

42.54  ≈ ☐

12.1  ≈ ☐

13.09  ≈ ☐

45.98  ≈ ☐

38.67  ≈ ☐

6.49  ≈ ☐

(b) Round off the following decimals to 1 decimal place.

2.56 ≈ ☐

8.51 ≈ ☐

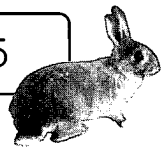
15.48 ≈ ☐

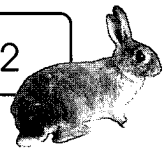
4.549 ≈ ☐

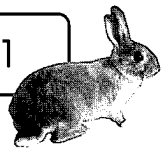
41.37 ≈ ☐

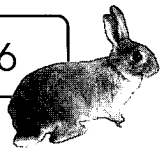
24.551 ≈ ☐

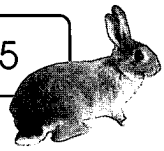
(c) Round off the following decimals to 2 decimal places.

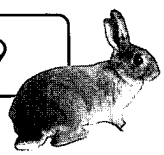
1.635  ≈ ☐

18.542  ≈ ☐

36.731  ≈ ☐

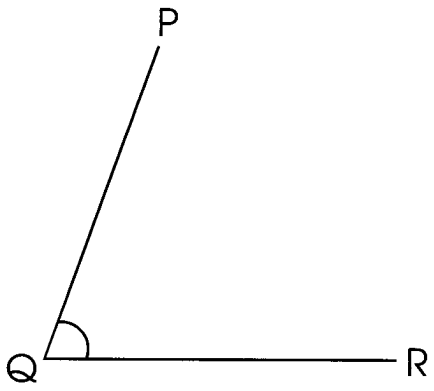
49.806  ≈ ☐

65.215  ≈ ☐

3.269  ≈ ☐

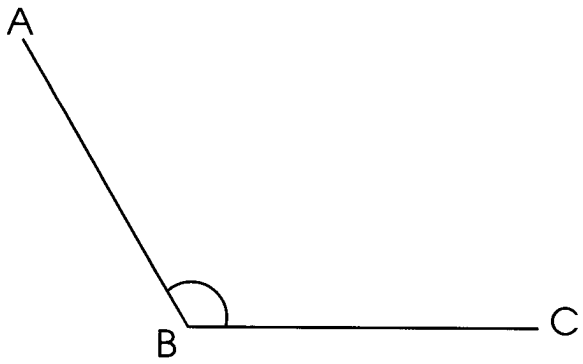
6. Name the following marked angles and measure them using your protractor.

(a)



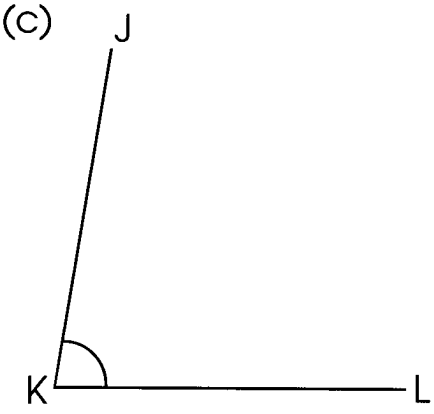
∠ ☐ = ☐ °

(b)



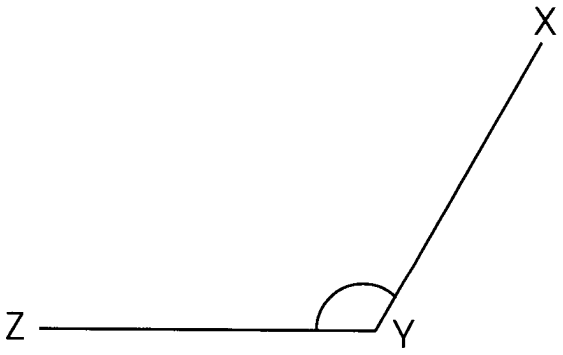
∠ ☐ = ☐ °

(c)



∠ ☐ = ☐ °

(d)



∠ ☐ = ☐ °

7. Add the following.

(a) 14.4 + 16.8 = ☐	(b) 24.9 + 27.03 = ☐
(c) 46.98 + 35.4 = ☐	(d) 29.86 + 93.75 = ☐
(e) 37.51 + 21.65 = ☐	(f) 37.18 + 42.86 = ☐

8. Subtract the following.

(a) 34.7 - 33.26 = ☐	(b) 50.12 - 45.08 = ☐
(c) 20 - 17.65 = ☐	(d) 50 - 29.09 = ☐
(e) 34.51 - 15.64 = ☐	(f) 69.43 - 23.56 = ☐

9. Multiply the following.

(a) 21.54 × 3

= ☐

(b) 58.14 × 6

= ☐

(c) 22.43 × 7

= ☐

(d) 43.69 × 8

= ☐

10. Divide the following.

(a) $0.9 \div 2 =$ ☐	(b) $18.8 \div 8 =$ ☐
(c) $21.57 \div 3 =$ ☐	(d) $38 \div 8 =$ ☐

Revision 3B

Date: ☐

1. Arrange the numbers in increasing order.

(a) 6.205 6.25 6.025 6.2

☐ , ☐ , ☐ , ☐

(b) 2.01 2 2.1 2.12

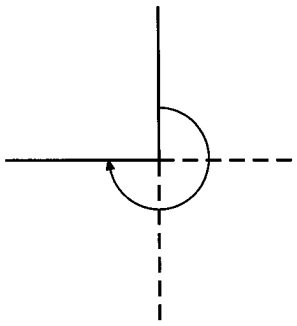
☐ , ☐ , ☐ , ☐

(c) 5.39 5.309 5.039 5.9

☐ , ☐ , ☐ , ☐

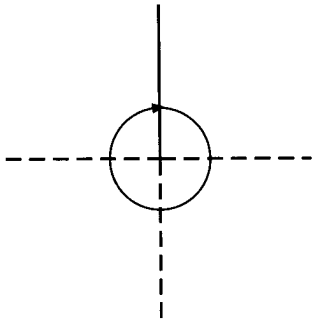
2. Fill in the blanks.

(a)



☐ of a complete turn gives 270°.

(b)

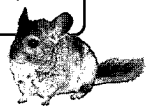


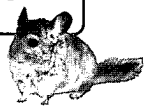
A complete turn gives ☐°.

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

(a) 0.35 = 

(b) 2.36 = 

(c) 3.671 = 

(d) 4.55 = 

4. Convert the following fractions to decimals.

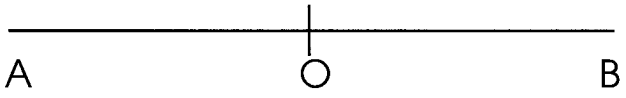
(a) $\frac{1}{5}$ = 

(b) $\frac{3}{20}$ = 

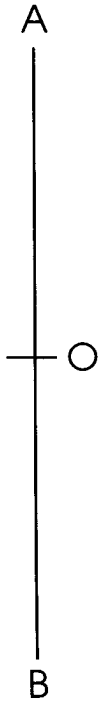
(c) $\frac{12}{25}$ = 

(d) $2\frac{37}{100}$ = 

5. (a) Draw an angle COB of 75° using a protractor with the given straight line.



(b) Draw an angle COA of 170° using a protractor with the given straight line.



6. Do the following.

(a) 23.56 + 25.5

= ☐

Estimation:
23.56 + 25.5 ≈ ☐ + ☐ = ☐
My answer should be close to ☐.

(b) 50 – 25.54

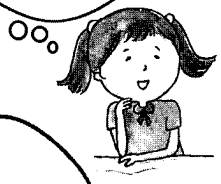
= ☐

Estimation:
50 – 25.54 ≈ 50 – ☐ = ☐
My answer should be close to ☐.

(c) 8.74 × 6

= ☐

Estimation:
8.74 × 6 ≈ ☐ × 6 = ☐
My answer should be close to ☐.

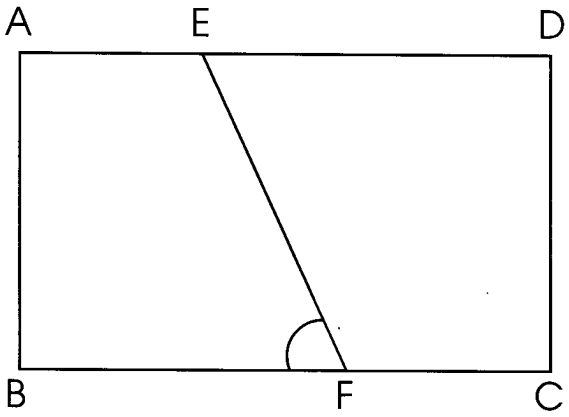


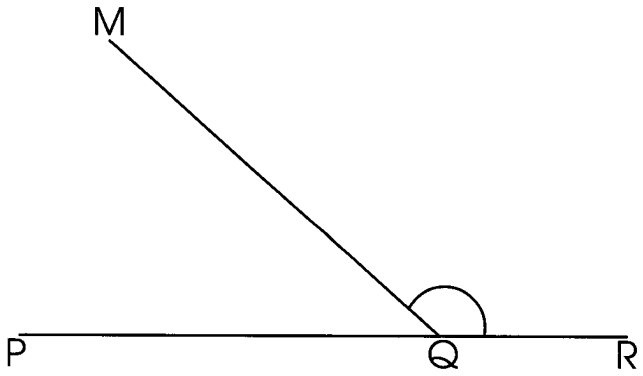
(d) 23.68 ÷ 8

= ☐

Estimation:
16 ÷ 8 = 2
24 ÷ 8 = 3
23.68 is closer to 24 than to 16.
23.68 ÷ 8 ≈ ☐ ÷ 8 = ☐
My answer should be close to ☐.

7. Estimate and then measure the size of each marked angle using a protractor.





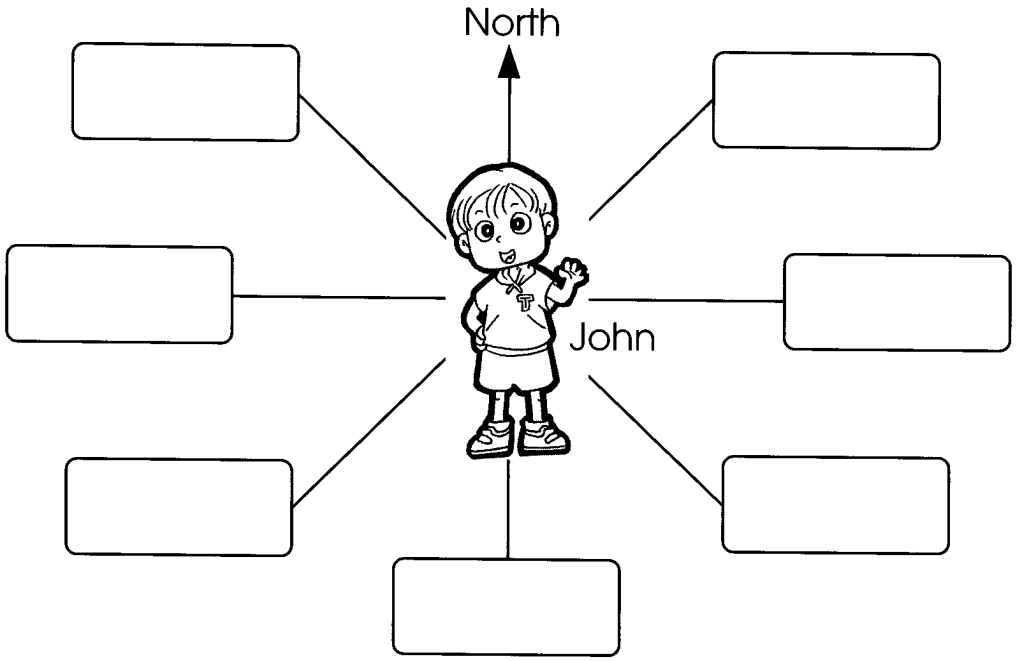
Angle	Estimate	Actual
∠ BFE		
∠ MQR		

8. Write down the answers in the space provided.

(a)	The capacity of a tank is 19.85 *l*. Round off the capacity to 1 decimal place.	☐ *l*
(b)	The mass of a packet of biscuits is 0.753 kg. Round off the mass to 2 decimal places.	☐ kg
(c)	Jim walked a distance of 0.64 km. Round off the distance to 1 decimal place.	☐ km
(d)	A string is 18.06 m long. Round off the length to 1 decimal place.	☐ m

9. Peter earns $4.75 per hour as a part-time cashier. His brother earns $6.60 per hour as a part-time salesman. How much in total do they earn per day if both of them work for 4 hours?

10. Fill in the boxes below with the correct directions.



Complete the following table using the 8-point compass above.

John is facing	If he turns	he will be facing
south	135° clockwise	
east	45°	northeast
	180° clockwise	northeast
southeast	315° anticlockwise	
northwest	clockwise	south
	90° clockwise	east
northeast	270° anticlockwise	
southwest	225°	north

11. Wendy had $34.55. Sharon had $57.90 more than her and Carol had twice the amount that Sharon had. How much did Carol have?

12. Jenny bought 3 towels which cost $8.35 each and a tube of toothpaste. She spent a total of $28.40. How much did the tube of toothpaste cost? Round off your answer to the nearest dollar.

13. Mr Lim bought a printer and 5 toner cartridges. The printer cost $115 and the toner cartridges cost $76.80 each. How much did Mr Lim pay in all?

14. The cost of 5 apples and 4 pears is $3.65. The cost of 4 apples and 4 pears is $3.20. How much do 5 apples cost? Round off your answer to the nearest dollar.

15. Peter paid $30.60 for 5 kg of fish. If Kelvin bought 3 kg of the same fish, how much did he pay?

16. Samuel had $90. He spent $39.95 on two pairs of shoes and $23.91 on a shirt. How much did he have left?

17. A water tank contains 9.38 l of water. 6 more pails of water will be required to completely fill the tank. If the capacity of the pail is 6.77 l, find the capacity of the tank.

18. Joyce baked 4 apple pies and 1 pineapple pie. The mass of each apple pie was 0.56 kg. The total mass of all the pies was 3 kg. Find the mass of the pineapple pie.