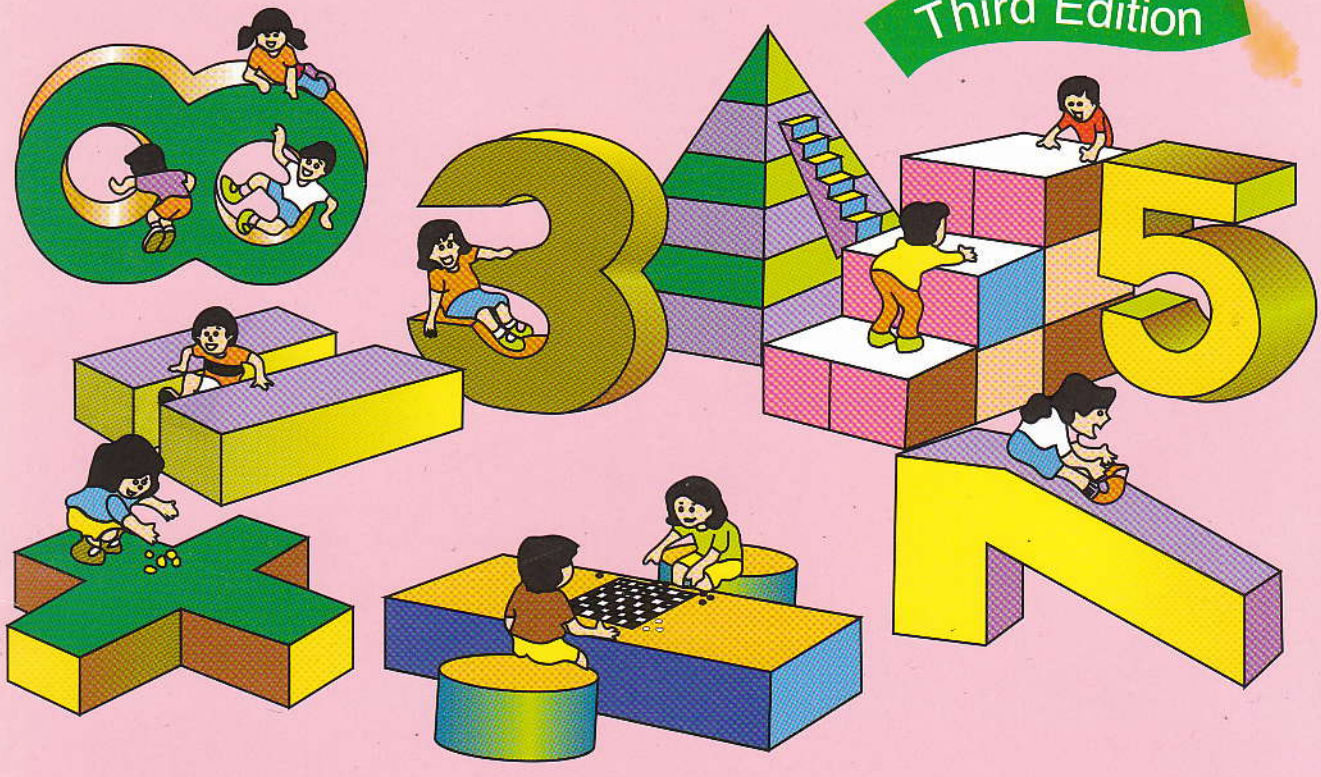
PRIMARY MATHEMATICS 3B

WORKBOOK Part Two

Third Edition



Name _____

Class _____

School _____

CURRICULUM PLANNING & DEVELOPMENT DIVISION
MINISTRY OF EDUCATION, SINGAPORE

PRIMARY MATHEMATICS 3B

WORKBOOK Part Two

Third Edition

Primary Mathematics Project Team

Project Director
Dr Kho Tek Hong

Team Members
Chee Kum Hoong, Hector
Chip Wai Lung
Liang Hin Hoon
Lim Eng Tann
Lim Hui Cheng, Rosalind
Ng Hwee Wan
Ng Siew Lee

Curriculum Specialists
Cheong Ngan Peng, Christina
Ho Juan Beng

CURRICULUM PLANNING & DEVELOPMENT DIVISION
MINISTRY OF EDUCATION, SINGAPORE

Marshall Cavendish Education

Published by Marshall Cavendish Education
A member of Times Publishing Limited
Times Centre, 1 New Industrial Road, Singapore 536196
Customer Service Hotline: (65) 6213 9106
E-mail: fps@sg.marshallcavendish.com
Website: www.marshallcavendish.com/education/sg

First published 1982
Second Edition 1993
Third Edition 1999
Reprinted 2000 (twice), 2001 (twice), 2003 (twice), 2004, 2005, 2007

ISBN 978-981-01-5657-2

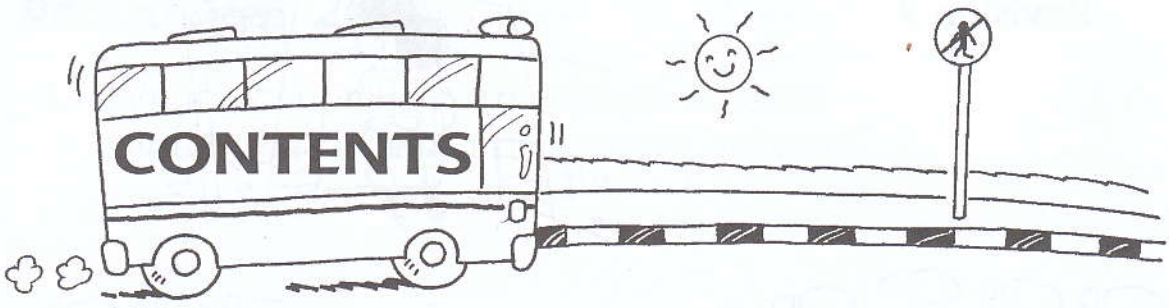
Illustrated by: Ren Jianhui

Printed in Singapore by C.O.S. Printers Pte Ltd

ACKNOWLEDGEMENTS

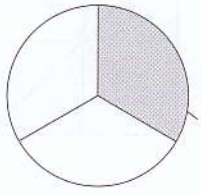
The project team would like to record their thanks to the following:

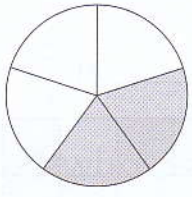
- members of the Primary Mathematics Team who developed the first edition and second edition of the package
- members of the Steering Committee for the second edition of the package
- teachers who tested the materials in the package and provided useful insights and suggestions
- Educational Technology Division, for the design and production of the audio-visual components of the package
- all those who have helped in one way or another in the development and production of the package

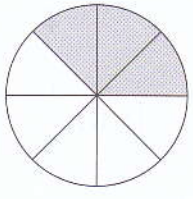


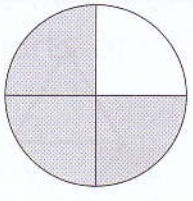
EXERCISE 26

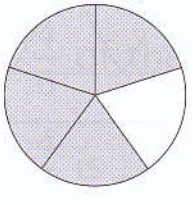
1. What fraction of each circle is shaded?
   Match the circles to the correct answers.

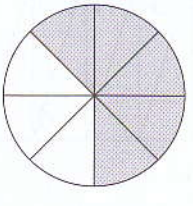












$\frac{3}{8}$

$\frac{2}{5}$

$\frac{1}{3}$

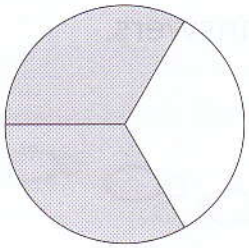
$\frac{4}{5}$

$\frac{3}{4}$

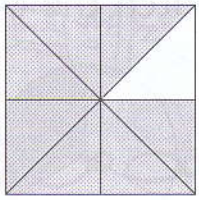
$\frac{5}{8}$

2. What fraction of each figure is shaded?

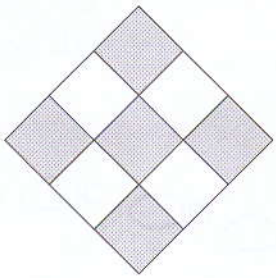
(a)



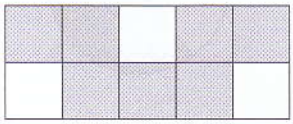
(b)



(c)

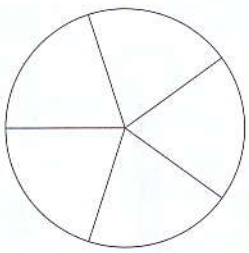


(d)



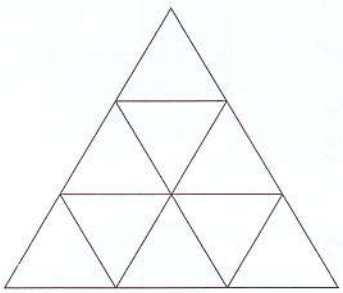
3. Colour each figure to show the given fraction.

(a)



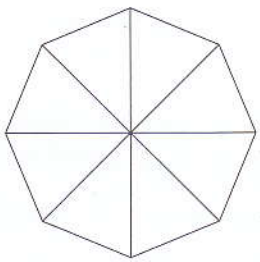
$\frac{3}{5}$

(b)



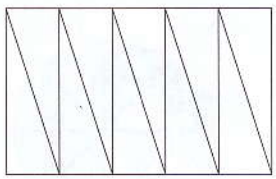
$\frac{7}{9}$

(c)



$\frac{5}{8}$

(d)



$\frac{3}{10}$

EXERCISE 27

1. The bar is divided into 4 equal parts.
   3 parts are shaded.

   (a) $\frac{3}{4}$ of the bar is shaded.

   $\frac{3}{4}$ is _____ out of the _____ equal parts.

   (b) 1 whole = _____ quarters

   $\frac{3}{4}$ = _____ quarters

   (c) $\frac{3}{4}$ and _____ make 1 whole.

2. The bar is divided into 6 equal parts.
   4 parts are shaded.

   (a) $\frac{4}{6}$ of the bar is shaded.

   $\frac{4}{6}$ is _____ out of the _____ equal parts.

   (b) 1 whole = _____ sixths

   $\frac{4}{6}$ = _____ sixths

   (c) $\frac{4}{6}$ and _____ make 1 whole.

3. The bar is divided into 10 equal parts. 3 parts are shaded.

(a) $\frac{3}{10}$ of the bar is shaded.

$\frac{3}{10}$ is _____ out of the _____ equal parts.

(b) 1 whole = _____ tenths

$\frac{3}{10}$ = _____ tenths

(c) $\frac{3}{10}$ and _____ make 1 whole.

4. Write the missing fractions.

(a) $\frac{4}{5}$ and _____ make 1 whole.

(b) $\frac{5}{9}$ and _____ make 1 whole.

5. Join each pair of fractions that add up to 1.

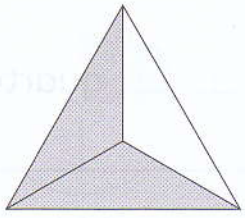
$\frac{4}{7}$ $\frac{5}{7}$ $\frac{7}{8}$ $\frac{3}{8}$ $\frac{9}{10}$ $\frac{7}{10}$

$\frac{2}{7}$ $\frac{3}{10}$ $\frac{3}{7}$ $\frac{5}{8}$ $\frac{1}{8}$ $\frac{1}{10}$

EXERCISE 28

1. Complete the following.

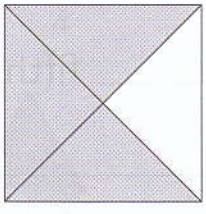
(a)



$\frac{1}{3} + \frac{1}{3} =$

2 thirds

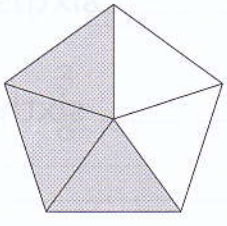
(b)



$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$

3 quarters

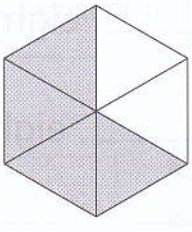
(c)



$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$

3 fifths

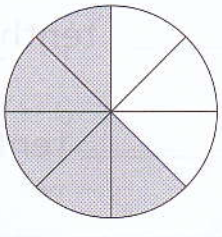
(d)



$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$

4 sixths

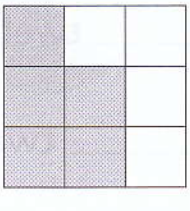
(e)



$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$

5 eighths

(f)

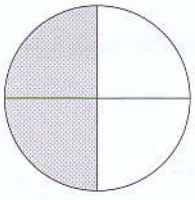


$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} =$

5 ninths

2. Complete the following.

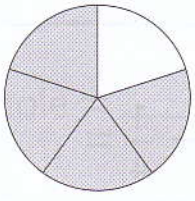
(a)



1 = _____ quarters = $\frac{\quad}{4}$

$\frac{2}{4}$ = _____ quarters

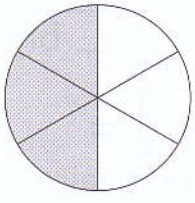
(b)



1 = _____ fifths = $\frac{\quad}{5}$

$\frac{4}{5}$ = _____ fifths

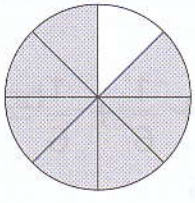
(c)



1 = _____ sixths = $\frac{\quad}{6}$

$\frac{3}{6}$ = _____ sixths

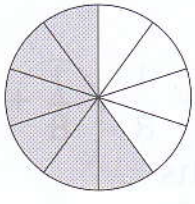
(d)



1 = _____ eighths = $\frac{\quad}{8}$

$\frac{7}{8}$ = _____ eighths

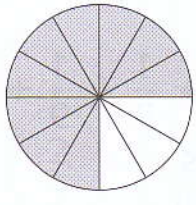
(e)



1 = _____ tenths = $\frac{\quad}{10}$

$\frac{6}{10}$ = _____ tenths

(f)



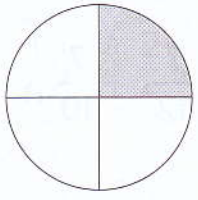
1 = _____ twelfths = $\frac{\quad}{12}$

$\frac{9}{12}$ = _____ twelfths

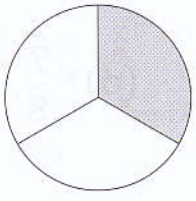
EXERCISE 29

1. Ring the greater fraction.

(a)

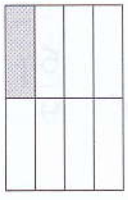


$\frac{1}{4}$

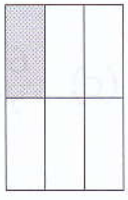


$\frac{1}{3}$

(b)

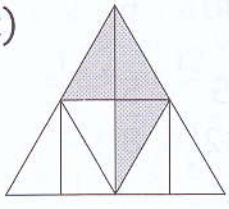


$\frac{1}{8}$

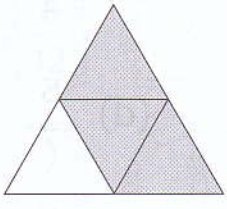


$\frac{1}{6}$

(c)

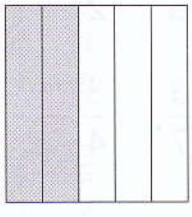


$\frac{3}{8}$

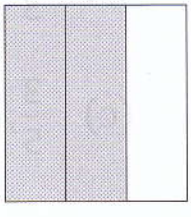


$\frac{3}{4}$

(d)



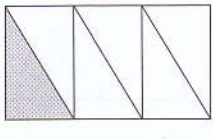
$\frac{2}{5}$



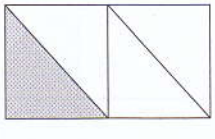
$\frac{2}{3}$

2. Ring the smaller fraction.

(a)

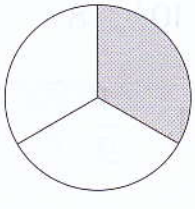


$\frac{1}{6}$

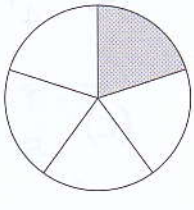


$\frac{1}{4}$

(b)

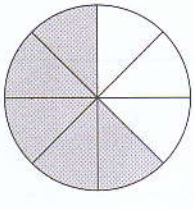


$\frac{1}{3}$

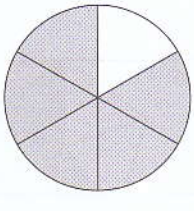


$\frac{1}{5}$

(c)

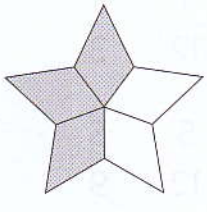


$\frac{5}{8}$

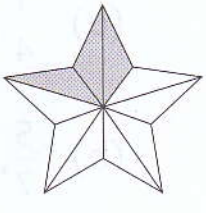


$\frac{5}{6}$

(d)



$\frac{3}{5}$



$\frac{3}{10}$

3. Ring the greatest fraction.

(a) $\frac{1}{12}$, $\frac{1}{7}$, $\frac{1}{10}$

(b) $\frac{1}{11}$, $\frac{1}{8}$, $\frac{1}{9}$

(c) $\frac{6}{7}$, $\frac{6}{10}$, $\frac{6}{9}$

(d) $\frac{7}{8}$, $\frac{7}{12}$, $\frac{7}{10}$

4. Ring the smallest fraction.

(a) $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{2}$

(b) $\frac{1}{4}$, $\frac{1}{10}$, $\frac{1}{6}$

(c) $\frac{3}{5}$, $\frac{3}{7}$, $\frac{3}{4}$

(d) $\frac{5}{7}$, $\frac{5}{12}$, $\frac{5}{8}$

5. Arrange the numbers in order, beginning with the smallest.

(a) $\frac{1}{6}$, $\frac{1}{7}$, $\frac{1}{10}$ _____

(b) $\frac{3}{4}$, $\frac{3}{10}$, $\frac{3}{8}$ _____

(c) $\frac{1}{5}$, 1, $\frac{1}{9}$ _____

6. Arrange the numbers in order, beginning with the greatest.

(a) $\frac{1}{4}$, $\frac{1}{12}$, $\frac{1}{3}$ _____

(b) $\frac{5}{7}$, $\frac{5}{12}$, $\frac{5}{9}$ _____

(c) $\frac{1}{10}$, 0, $\frac{1}{8}$ _____

EXERCISE 30

1. Write the missing numbers.

(a) $\frac{1}{6}$ $\frac{2}{6}$ $\frac{3}{6}$ ____ ____ 1

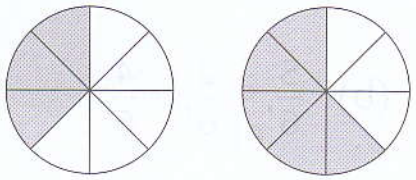
(b) $\frac{3}{8}$ $\frac{4}{8}$ ____ ____ $\frac{7}{8}$ 1

(c) $\frac{2}{12}$ $\frac{4}{12}$ $\frac{6}{12}$ ____ ____ ____

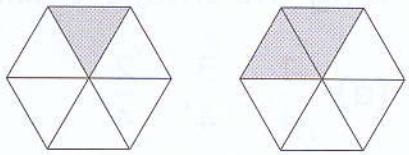
(d) 1 $\frac{8}{9}$ $\frac{7}{9}$ ____ ____ ____

(e) $\frac{8}{10}$ $\frac{7}{10}$ ____ ____ ____ $\frac{3}{10}$

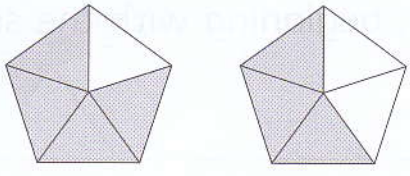
2. Ring the greater fraction.

(a) 

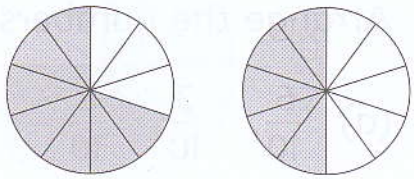
$\frac{3}{8}$, $\frac{5}{8}$

(b) 

$\frac{1}{6}$, $\frac{2}{6}$

(c) 

$\frac{4}{5}$, $\frac{3}{5}$

(d) 

$\frac{7}{10}$, $\frac{5}{10}$

3. Ring the greater fraction.

(a) $\frac{4}{5}$, $\frac{1}{5}$

(b) $\frac{4}{7}$, $\frac{6}{7}$

(c) $\frac{3}{10}$, $\frac{7}{10}$

(d) $\frac{5}{6}$, $\frac{3}{6}$

4. Ring the smaller fraction.

(a) $\frac{2}{3}$, $\frac{1}{3}$

(b) $\frac{1}{5}$, $\frac{3}{5}$

(c) $\frac{9}{10}$, $\frac{4}{10}$

(d) $\frac{5}{12}$, $\frac{11}{12}$

5. Ring the greatest fraction.

(a) $\frac{1}{5}$, $\frac{4}{5}$, $\frac{2}{5}$

(b) $\frac{6}{7}$, $\frac{1}{7}$, $\frac{3}{7}$

(c) $\frac{5}{9}$, $\frac{8}{9}$, $\frac{2}{9}$

(d) $\frac{5}{12}$, $\frac{9}{12}$, $\frac{10}{12}$

6. Ring the smallest fraction.

(a) $\frac{1}{4}$, $\frac{3}{4}$, $\frac{2}{4}$

(b) $\frac{5}{6}$, $\frac{2}{6}$, $\frac{4}{6}$

(c) $\frac{4}{10}$, $\frac{9}{10}$, $\frac{7}{10}$

(d) $\frac{8}{11}$, $\frac{5}{11}$, $\frac{2}{11}$

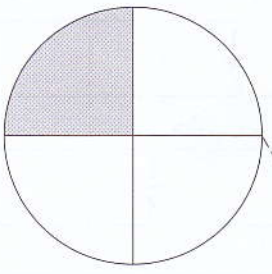
7. Arrange the numbers in order, beginning with the smallest.

(a) $\frac{5}{10}$, $\frac{3}{10}$, $\frac{8}{10}$ _____

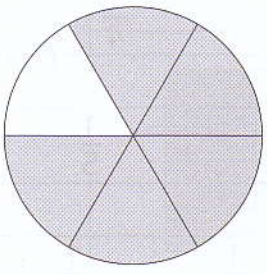
(b) $\frac{5}{12}$, 1, $\frac{3}{12}$ _____

EXERCISE 31

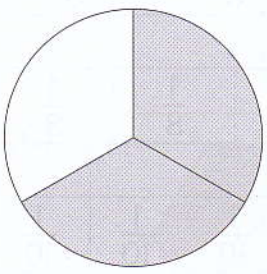
1. Join each pair of equivalent fractions.



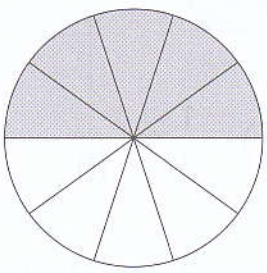
$\frac{1}{4}$



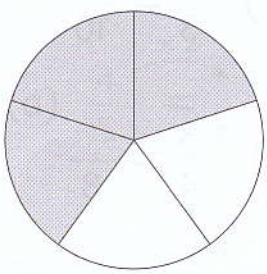
$\frac{5}{6}$



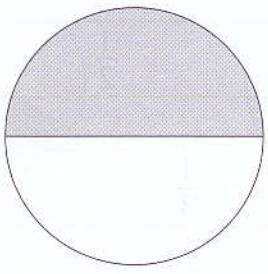
$\frac{2}{3}$



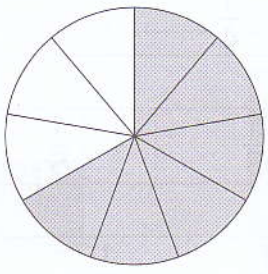
$\frac{5}{10}$



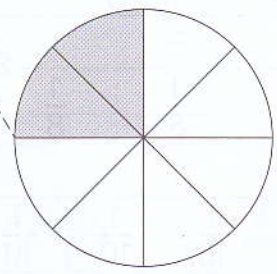
$\frac{3}{5}$



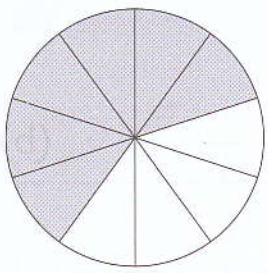
$\frac{1}{2}$



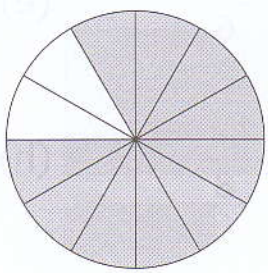
$\frac{6}{9}$



$\frac{2}{8}$

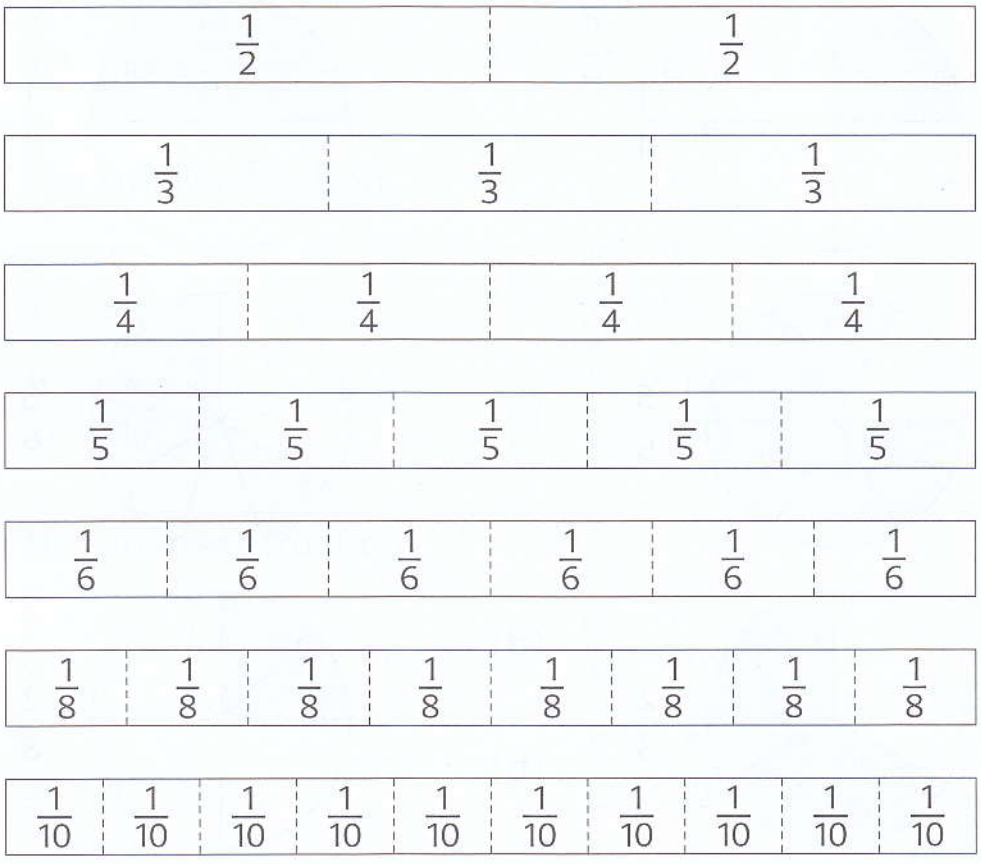


$\frac{6}{10}$



$\frac{10}{12}$

2. Use the fraction bars to help you find the missing numerators.



(a) $\frac{1}{2} = \frac{\quad}{4}$ (b) $\frac{1}{2} = \frac{\quad}{6}$ (c) $\frac{1}{2} = \frac{\quad}{10}$

(d) $\frac{1}{3} = \frac{\quad}{6}$ (e) $\frac{2}{3} = \frac{\quad}{6}$ (f) $\frac{3}{3} = \frac{\quad}{10}$

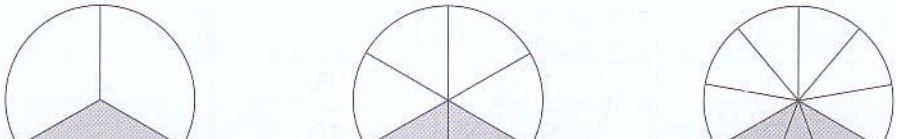
(g) $\frac{1}{4} = \frac{\quad}{8}$ (h) $\frac{2}{4} = \frac{\quad}{6}$ (i) $\frac{3}{4} = \frac{\quad}{8}$

(j) $\frac{1}{5} = \frac{\quad}{10}$ (k) $\frac{2}{5} = \frac{\quad}{10}$ (l) $\frac{4}{5} = \frac{\quad}{10}$

EXERCISE 32

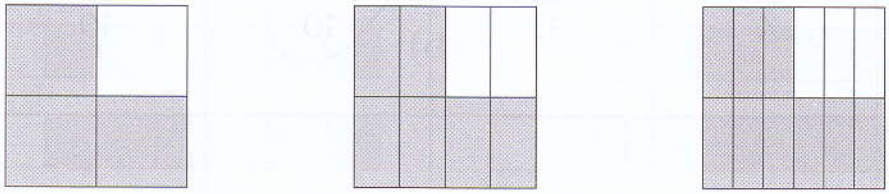
1. Write the missing numerators and denominators.

(a)



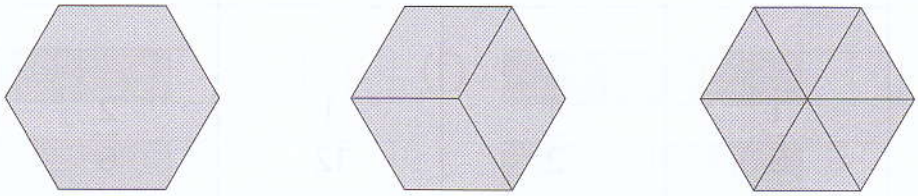
$\frac{1}{3} = \frac{2}{\quad} = \frac{\quad}{9}$

(b)



$\frac{3}{4} = \frac{\quad}{8} = \frac{9}{\quad}$

(c)

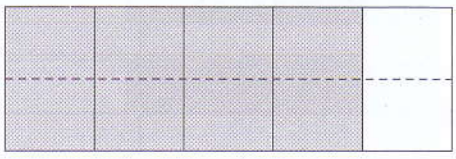


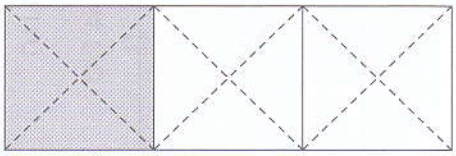
$1 = \frac{\quad}{3} = \frac{6}{\quad}$

2. Write the missing numerators and denominators.

(a) $\frac{4}{5} \overset{\times 2}{=} \frac{\quad}{\quad}$ (multiply by 2)

(b) $\frac{1}{3} \overset{\times 4}{=} \frac{\quad}{\quad}$ (multiply by 4)



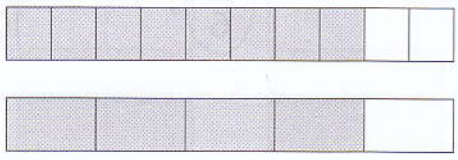


3. Ring 8 pairs of equivalent fractions.
One pair has been done for you.

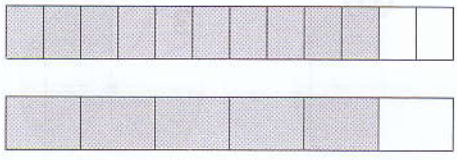
$\frac{1}{2}$	$\frac{1}{5}$	$\frac{9}{10}$	$\frac{4}{5}$	$\frac{8}{10}$
$\frac{2}{4}$	$\frac{2}{12}$	$\frac{2}{10}$	$\frac{4}{10}$	$\frac{1}{4}$
$\frac{2}{6}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{3}{8}$	$\frac{2}{8}$
$\frac{1}{6}$	$\frac{1}{2}$	$\frac{1}{12}$	$\frac{2}{6}$	$\frac{5}{9}$
$\frac{5}{10}$	$\frac{5}{6}$	$\frac{2}{9}$	$\frac{3}{9}$	$\frac{4}{9}$
$\frac{11}{12}$	$\frac{3}{5}$	$\frac{6}{10}$	$\frac{6}{7}$	$\frac{5}{7}$

EXERCISE 33

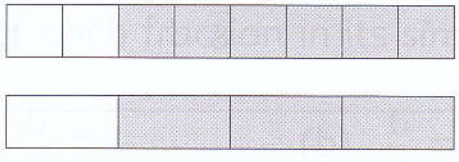
1. Write the equivalent fraction for each of the following.

(a) 

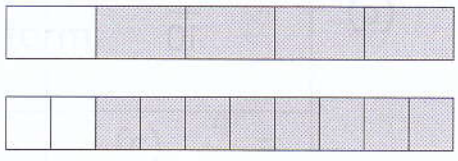
$\frac{8}{10} =$

(b) 

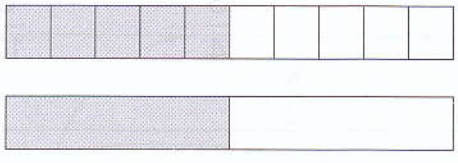
$\frac{10}{12} =$

(c) 

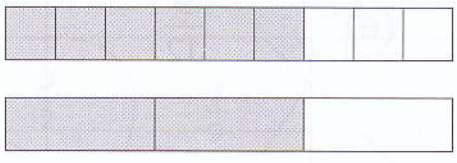
$\frac{6}{8} =$

(d) 

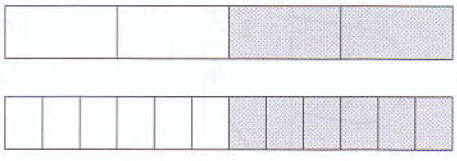
$\frac{4}{5} =$

(e) 

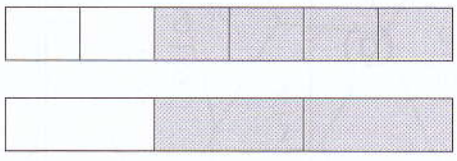
$\frac{5}{10} =$

(f) 

$\frac{6}{9} =$

(g) 

$\frac{2}{4} =$

(h) 

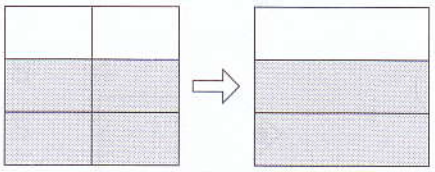
$\frac{4}{6} =$

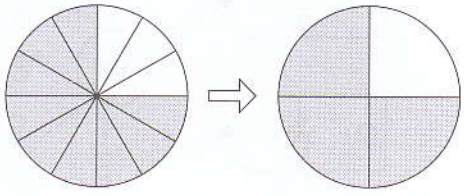
2. Ring the equivalent fraction for each of the given fractions.

(a)	$\frac{2}{3}$	$\frac{3}{4}$,	$\frac{4}{6}$,	$\frac{5}{10}$
(b)	$\frac{4}{5}$	$\frac{2}{8}$,	$\frac{3}{4}$,	$\frac{8}{10}$
(c)	$\frac{4}{10}$	$\frac{2}{5}$,	$\frac{5}{8}$,	$\frac{6}{12}$
(d)	$\frac{3}{3}$	$\frac{4}{8}$,	$\frac{6}{6}$,	$\frac{8}{12}$
(e)	$\frac{9}{12}$	$\frac{2}{3}$,	$\frac{3}{4}$,	$\frac{6}{10}$
(f)	$\frac{1}{6}$	$\frac{1}{3}$,	$\frac{2}{12}$,	$\frac{3}{8}$
(g)	$\frac{6}{8}$	$\frac{2}{5}$,	$\frac{3}{4}$,	$\frac{8}{12}$
(h)	$\frac{1}{2}$	$\frac{2}{3}$,	$\frac{6}{9}$,	$\frac{5}{10}$

EXERCISE 34

1. Write the missing numerators and denominators.

(a) 

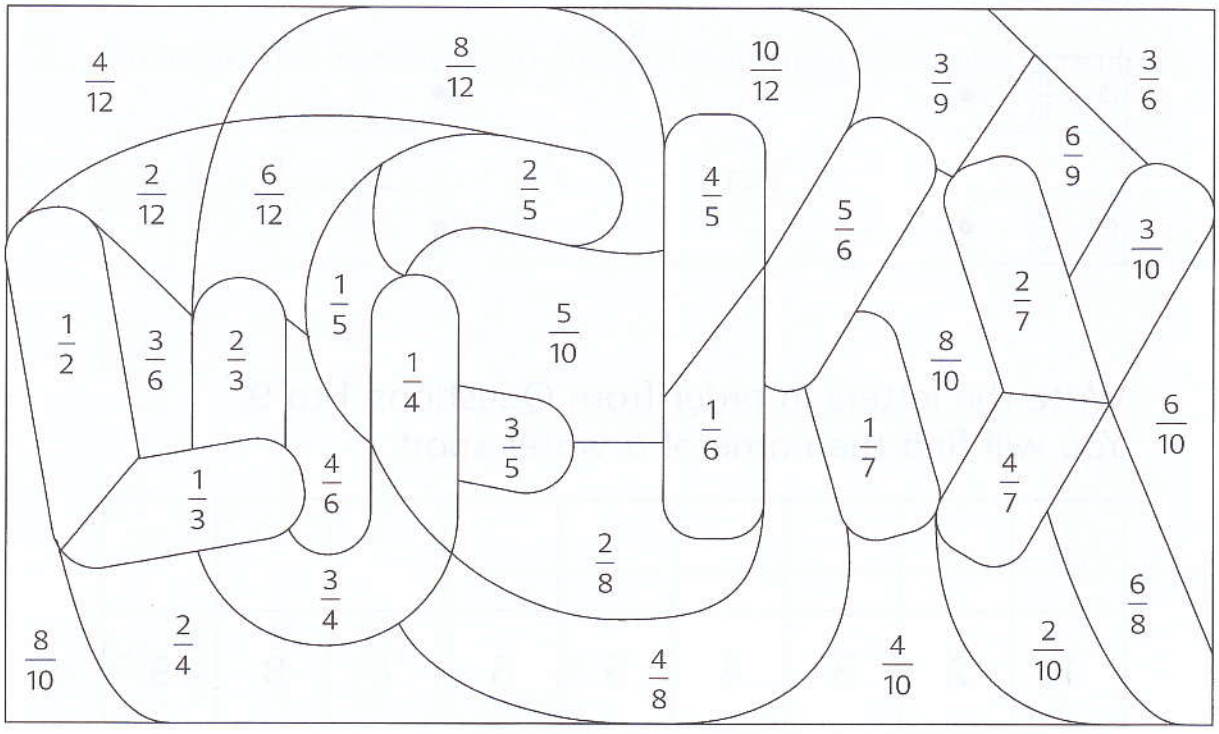
(b) 

$\frac{4}{6} \overset{\div 2}{=} \frac{\quad}{\quad}$ $\qquad$ $\frac{9}{12} \overset{\div 3}{=} \frac{\quad}{\quad}$

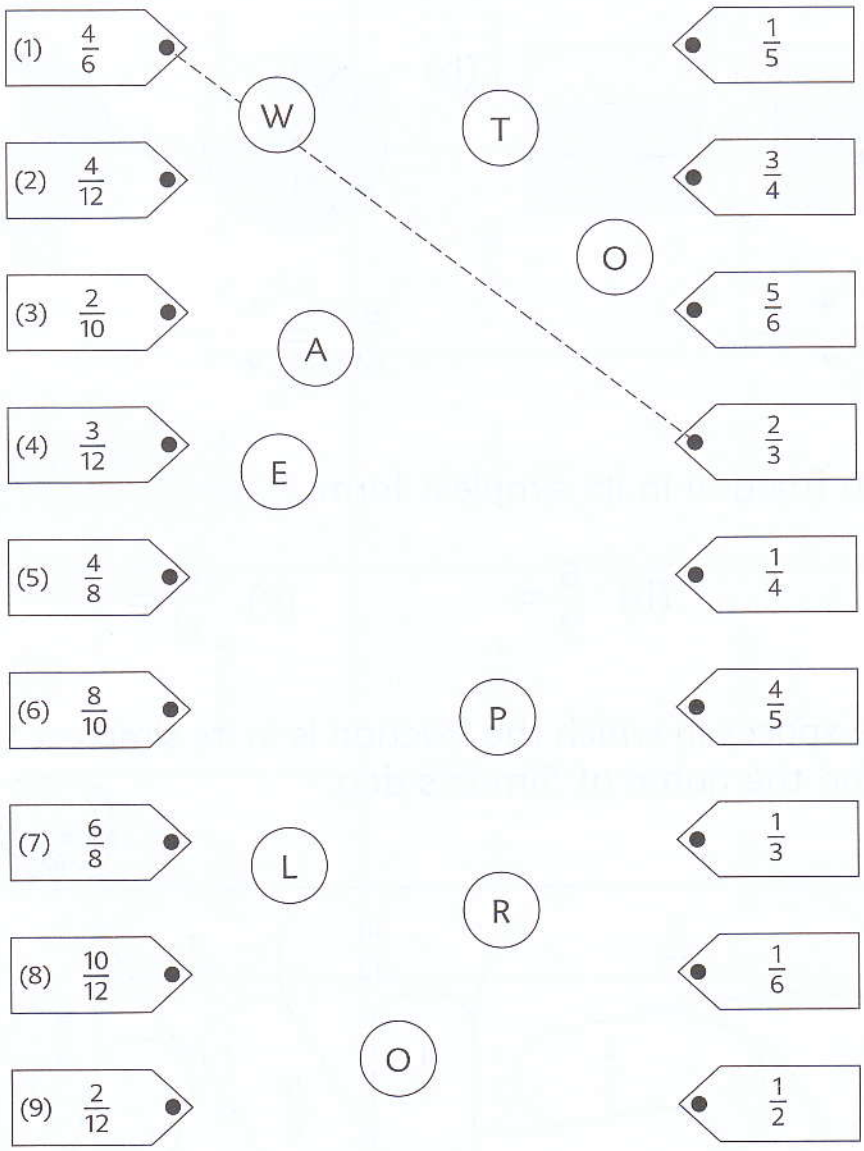
2. Write each fraction in its simplest form.

(a) $\frac{5}{10} =$ $\qquad$ (b) $\frac{6}{9} =$ $\qquad$ (c) $\frac{4}{12} =$

3. Colour the spaces in which the fraction is in its simplest form. You will find the name of Simon's dog.



4. Join each pair of equivalent fractions with a straight line. The line will pass through a letter.



Write the letters in order from Questions 1 to 9.
You will find the name of a water sport.

W								
1	2	3	4	5	6	7	8	9

EXERCISE 35

1. Ring the greater fraction.

(a) $\frac{7}{8}$, $\frac{3}{4}$

(b) $\frac{4}{5}$, $\frac{7}{10}$

(c) $\frac{5}{9}$, $\frac{2}{3}$

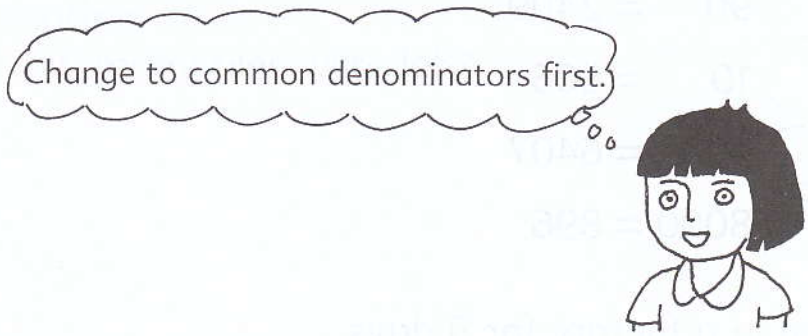
(d) $\frac{2}{3}$, $\frac{1}{6}$

(e) $\frac{7}{10}$, $\frac{4}{5}$

(f) $\frac{3}{4}$, $\frac{11}{12}$

(g) $\frac{2}{3}$, $\frac{5}{12}$

(h) $\frac{5}{12}$, $\frac{1}{2}$



2. Arrange the fractions in order, beginning with the smallest.

(a) $\frac{2}{5}$, $\frac{1}{2}$, $\frac{5}{6}$ _____

(b) $\frac{5}{8}$, $\frac{3}{4}$, $\frac{1}{2}$ _____

(c) $\frac{7}{12}$, $\frac{5}{6}$, $\frac{2}{3}$ _____

(d) $\frac{2}{3}$, $\frac{3}{4}$, $\frac{7}{12}$ _____

REVISION 5

1. Fill in the blanks.

   (a) 800 + _____ + 9 = 869

   (b) 2000 + _____ + 80 = 2380

   (c) 978 − _____ = 908

   (d) 3560 − _____ = 3060

2. Write +, −, × or ÷ in each ◯.

   (a) 7 + 7 + 7 + 7 + 7 = 7 ◯ 5

   (b) 2499 ◯ 90 = 2409

   (c) 5060 ◯ 10 = 506

   (d) 6007 ◯ 400 = 6407

   (e) 8896 ◯ 8000 = 896

3. Aihui worked in a factory for 9 days.
   She was paid $45 each day.
   How much did she earn altogether?

4. Lily weighs 29 kg.
   Her father is 3 times as heavy as she.
   How much heavier is Lily's father than Lily?

---

5. Mr Lin bought 2500 tiles.
   He used 1164 tiles for one room and 940 tiles for another room.
   How many tiles were left?

---

6. A factory has 2000 workers.
   1340 of them are men.
   The rest are women.
   How many more men than women are there?

7. Jim jogged 3 km 600 m.
Mary jogged 2 km 800 m.
Who jogged a longer distance?
How much longer?

---

8. 4 people bought a birthday present for their friend.
They paid the cashier $100 and received $48 change.
If they shared the cost equally, how much did each person pay?

---

9. Cik Faridah bought 8 packets of biscuits for a party.
There were 12 biscuits in each packet.
After the party, there were 28 biscuits left.
How many biscuits were eaten at the party?

10. A pail filled with sand weighs 5 kg.
The empty pail weighs 200 g.
Find the weight of the sand.

11. Gopal is 1 m 57 cm tall.
He is 25 cm taller than his brother.
Find his brother's height.

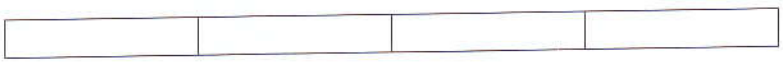
12. The sum of two numbers is 240.
If one number is twice the other number, find the numbers.

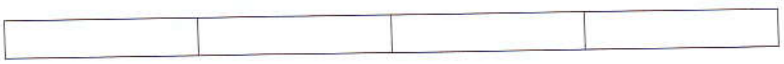
REVISION 6

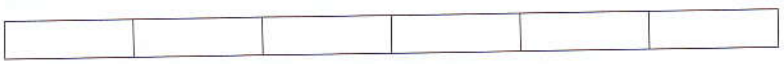
1. Work out the answers.

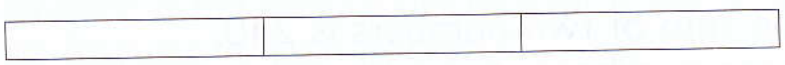
(a) $4\overline{)740}$	(b) $8\overline{)424}$	(c) $\begin{array}{r} 2768 \\ +\ 3932 \\ \hline \end{array}$
(d) $\begin{array}{r} 4720 \\ -\ 1748 \\ \hline \end{array}$	(e) $\begin{array}{r} 406 \\ \times\ \ 9 \\ \hline \end{array}$	(f) $\begin{array}{r} 384 \\ \times\ \ 6 \\ \hline \end{array}$

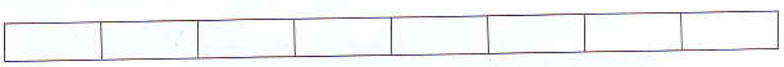
2. Colour each bar to show the given fraction.

$\frac{1}{4}$ 

$\frac{2}{4}$ 

$\frac{1}{6}$ 

$\frac{2}{3}$ 

$\frac{2}{8}$ 

3. Ring the greater fraction.
(Use the fraction bars above to help you.)

(a) $\frac{1}{4}$, $\frac{1}{6}$ (b) $\frac{1}{4}$, $\frac{3}{8}$ (c) $\frac{2}{8}$, $\frac{2}{3}$

(d) $\frac{2}{4}$, $\frac{4}{6}$ (e) $\frac{2}{3}$, $\frac{3}{4}$ (f) $\frac{1}{3}$, $\frac{3}{8}$

5. Roy has $85.
Samy has 3 times as much money as Roy.
How much money does Samy have?

---

6. Gopal collected 48 postcards.
He collected 4 times as many postcards as Raju.
How many postcards did Raju collect?

---

7. Mrs Li bought 1 kg of flour.
She used 450 g of it to bake a cake.
How much flour had she left?

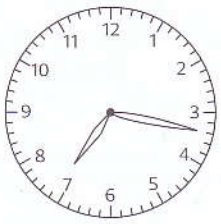
8. 8 packets of onions and some potatoes weigh 5 kg.
Each packet of onions weighs 450 g.
Find the weight of the potatoes.

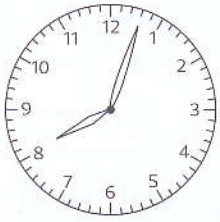
---

9. Suhua bought 4 rolls of ribbon to make 10 bows.
Each roll of ribbon cost $5.
(a) Find the total cost of the 4 rolls of ribbon.
(b) Find the cost of the ribbon for making 1 bow.

EXERCISE 36

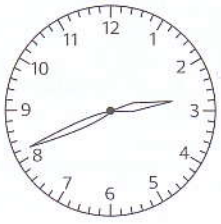
1. What time is shown on each clock?
   Match the clocks to the correct answers.

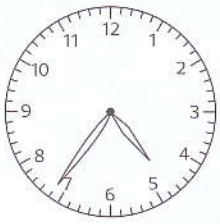




4.36

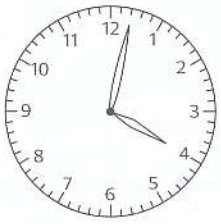
7.17

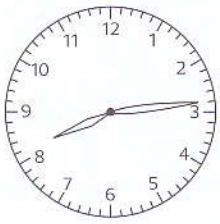




8.03

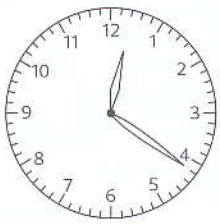
8.14





2.41

12.21



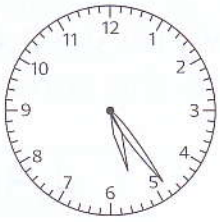
4.02

11.52

2. What time is it?

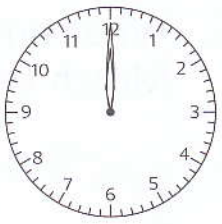
7.30

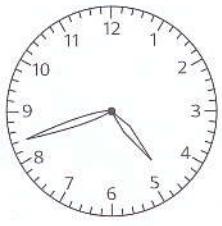
or half past seven



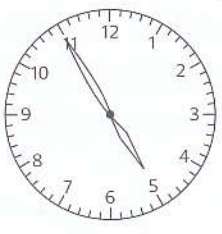
5.24

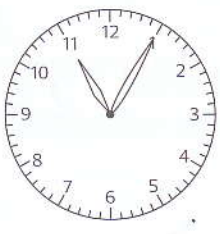
or 24 minutes past 5

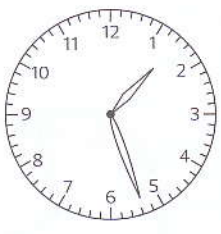




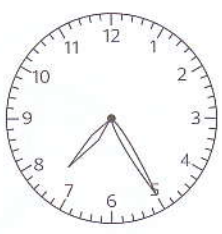
or

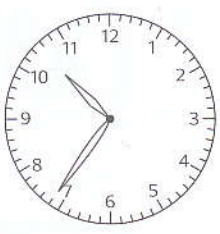


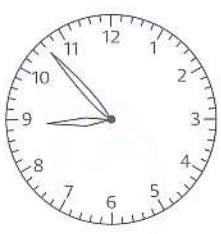




or







or

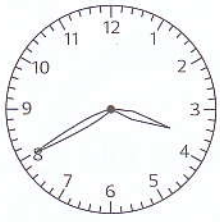
EXERCISE 37

1. Complete the following.

(a)

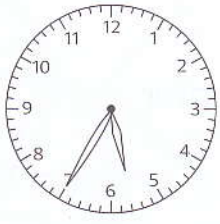
3.15 p.m.

_____ minutes later



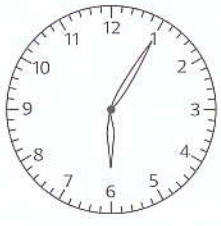
3.40 p.m.

(b)



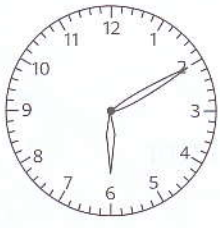
5.35 a.m.

_____ minutes later



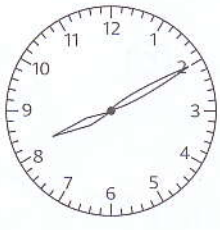
a.m.

(c)



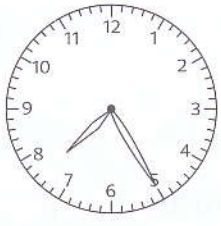
p.m.

_____ hours later



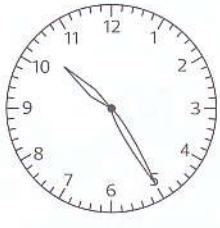
p.m.

(d)



a.m.

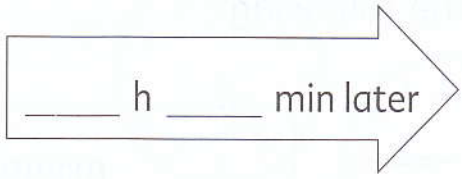
_____ hours later

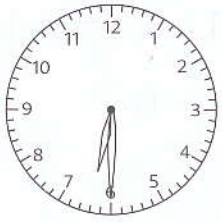


a.m.

2. Complete the following.

(a)

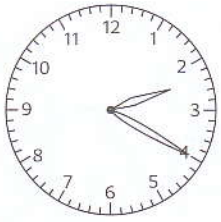


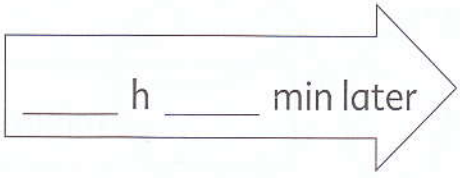


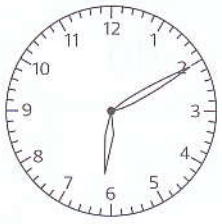
5.15 p.m.

6.30 p.m.

(b)



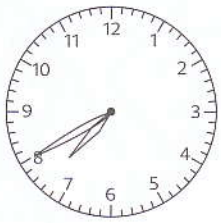


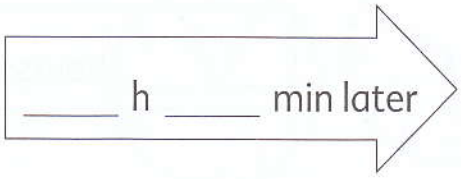


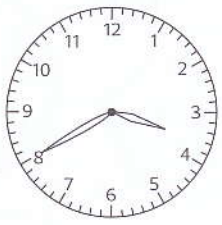
p.m.

p.m.

(c)



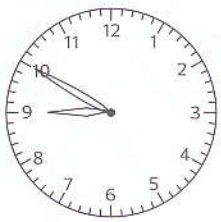


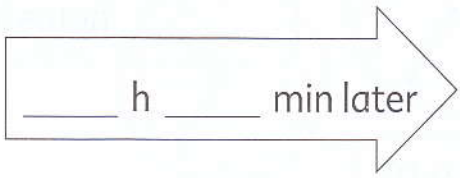


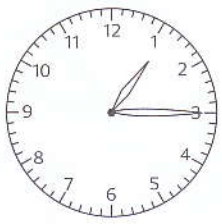
a.m.

p.m.

(d)





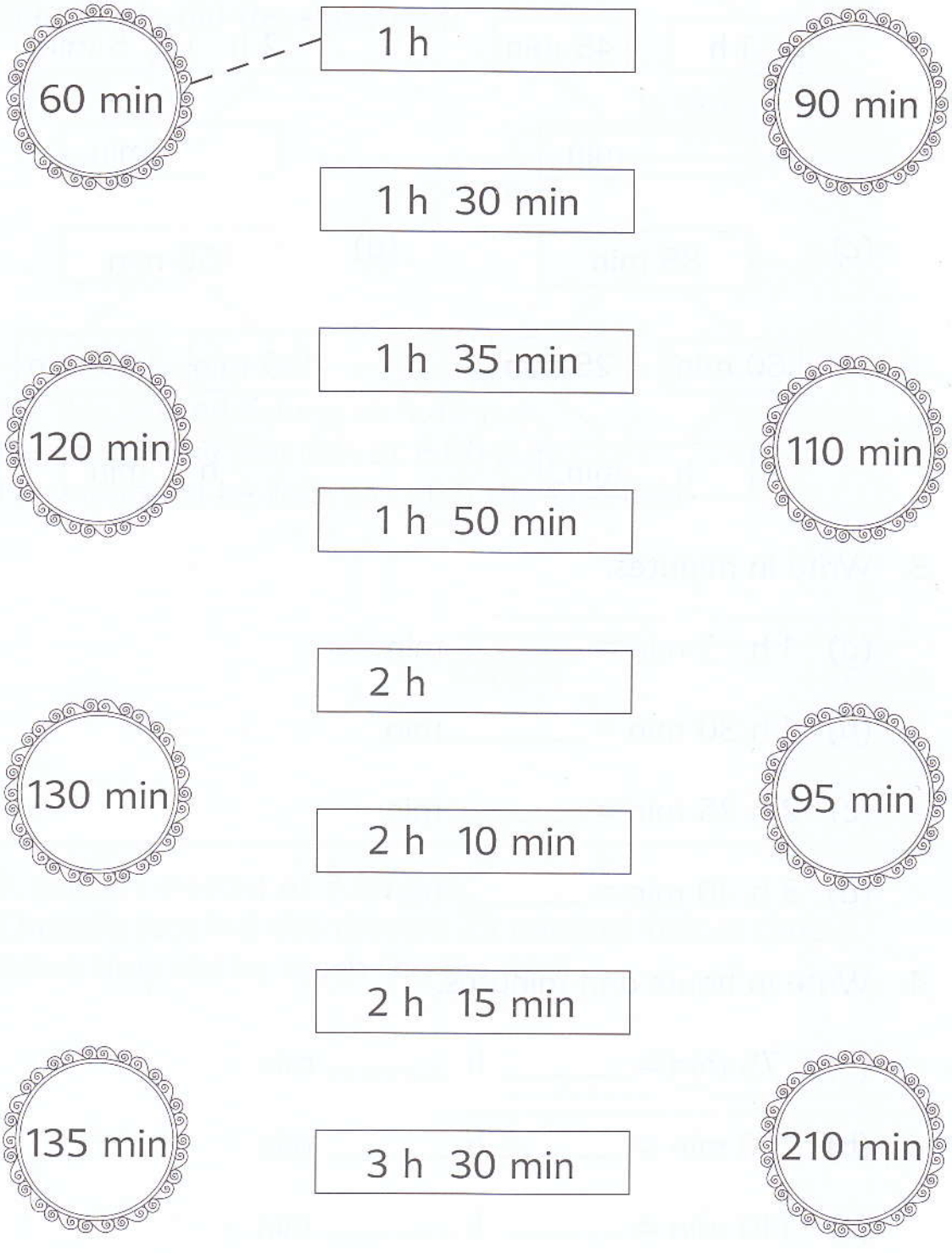


a.m.

p.m.

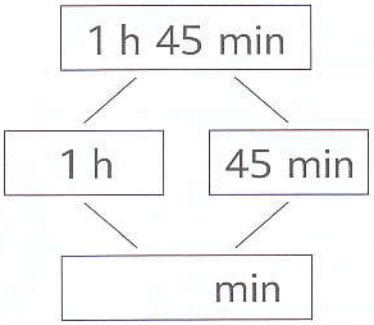
EXERCISE 38

1. Match.

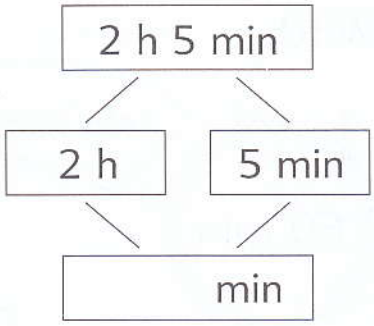


2. Write the missing numbers.

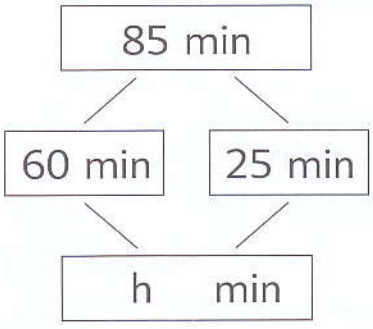
(a)



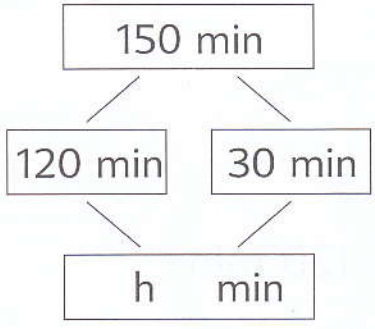
(b)



(c)



(d)



3. Write in minutes.

(a) 1 h 5 min = _____ min

(b) 1 h 30 min = _____ min

(c) 2 h 25 min = _____ min

(d) 3 h 10 min = _____ min

4. Write in hours and minutes.

(a) 75 min = _____ h _____ min

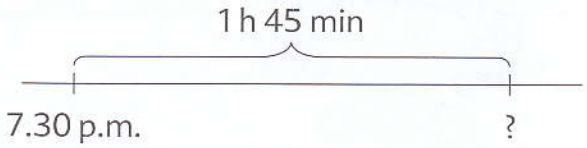
(b) 100 min = _____ h _____ min

(c) 140 min = _____ h _____ min

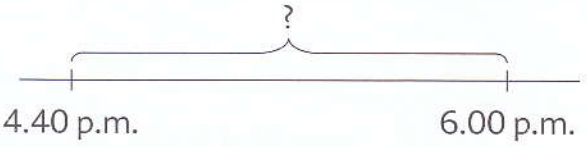
(d) 225 min = _____ h _____ min

EXERCISE 39

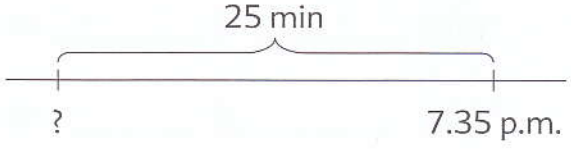
1. A film show started at 7.30 p.m.
   It lasted 1 hour and 45 minutes.
   What time did the show end?



2. Mr Wu started fishing at 4.40 p.m.
   He caught the first fish at 6.00 p.m.
   How long did he take to catch the first fish?



3. A concert started at 7.35 p.m.
   Chengfa reached the theatre 25 minutes before time.
   What time did he reach the theatre?



4. Mrs Hong arrived at the airport at 7.40 p.m.
The plane she was taking did not leave until 9.00 p.m.
How long did she wait at the airport?

---

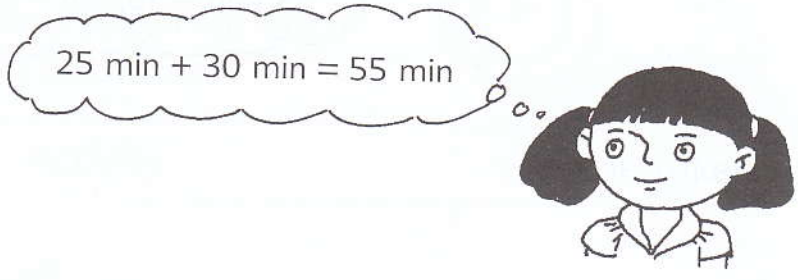
5. Samad drove from home to the Science Centre.
He left home at 7.35 a.m. and arrived at the Science Centre 45 minutes later.
What time did he arrive at the Science Centre?

---

6. James took 1 hour and 40 minutes to row his boat from Changi to Pulau Ubin.
Ahmad took 2 hours and 5 minutes.
How much longer did Ahmad take than James?

EXERCISE 40

1. (a) 1 h 25 min + 30 min = _____ h _____ min

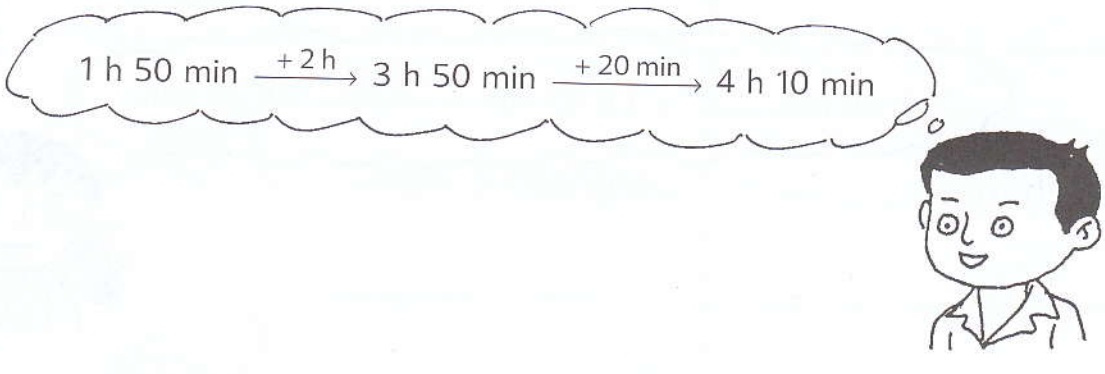


(b) 1 h 45 min + 40 min = _____ h _____ min

(c) 2 h 30 min + 50 min = _____ h _____ min

(d) 2 h 35 min + 35 min = _____ h _____ min

2. (a) 1 h 50 min + 2 h 20 min = _____ h _____ min



(b) 1 h 45 min + 1 h 25 min = _____ h _____ min

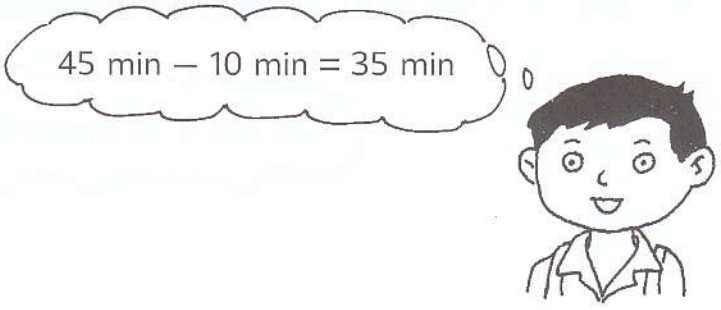
(c) 2 h 20 min + 1 h 50 min = _____ h _____ min

(d) 2 h 40 min + 1 h 35 min = _____ h _____ min

(e) 3 h 50 min + 1 h 20 min = _____ h _____ min

(f) 3 h 25 min + 2 h 45 min = _____ h _____ min

3. (a) 1 h 45 min − 10 min = _____ h _____ min

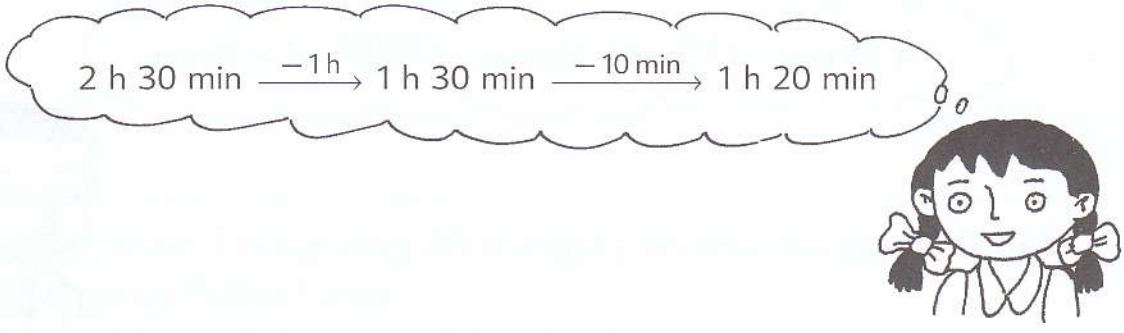


(b) 2 h 40 min − 15 min = _____ h _____ min

(c) 2 h 5 min − 50 min = _____ h _____ min

(d) 3 h 35 min − 40 min = _____ h _____ min

4. (a) 2 h 30 min − 1 h 10 min = _____ h _____ min



(b) 3 h 45 min − 2 h 40 min = _____ h _____ min

(c) 2 h 50 min − 1 h 35 min = _____ h _____ min

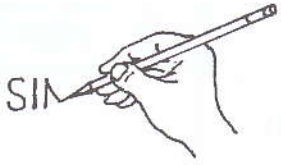
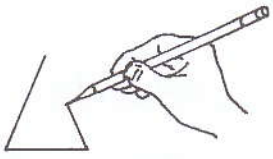
(d) 3 h 15 min − 1 h 45 min = _____ h _____ min

(e) 4 h 5 min − 2 h 20 min = _____ h _____ min

(f) 4 h 20 min − 1 h 25 min = _____ h _____ min

EXERCISE 41

1. Work with your friends.
   You need a stopwatch.
   Measure the time taken for each of the following activities.

Activity	Time taken
 Write the words SINGAPORE.	_____ seconds
 Walk 10 paces.	_____ seconds
 Draw 5 triangles.	_____ seconds
 Skip 15 times.	_____ seconds
 Run 100 metres.	_____ seconds

2. The table shows the time taken by 5 girls to swim 50 metres.

Mary	59 s
Siti	55 s
Aihua	57 s
Devi	54 s
Sulin	1 min

Study the table and fill in the blanks.

(a) _____ is the fastest swimmer.

(b) _____ is the slowest swimmer.

(c) Siti is faster than Mary by _____ seconds.

3. Write the missing numbers.

(a) 1 minute – 40 seconds = _____ seconds

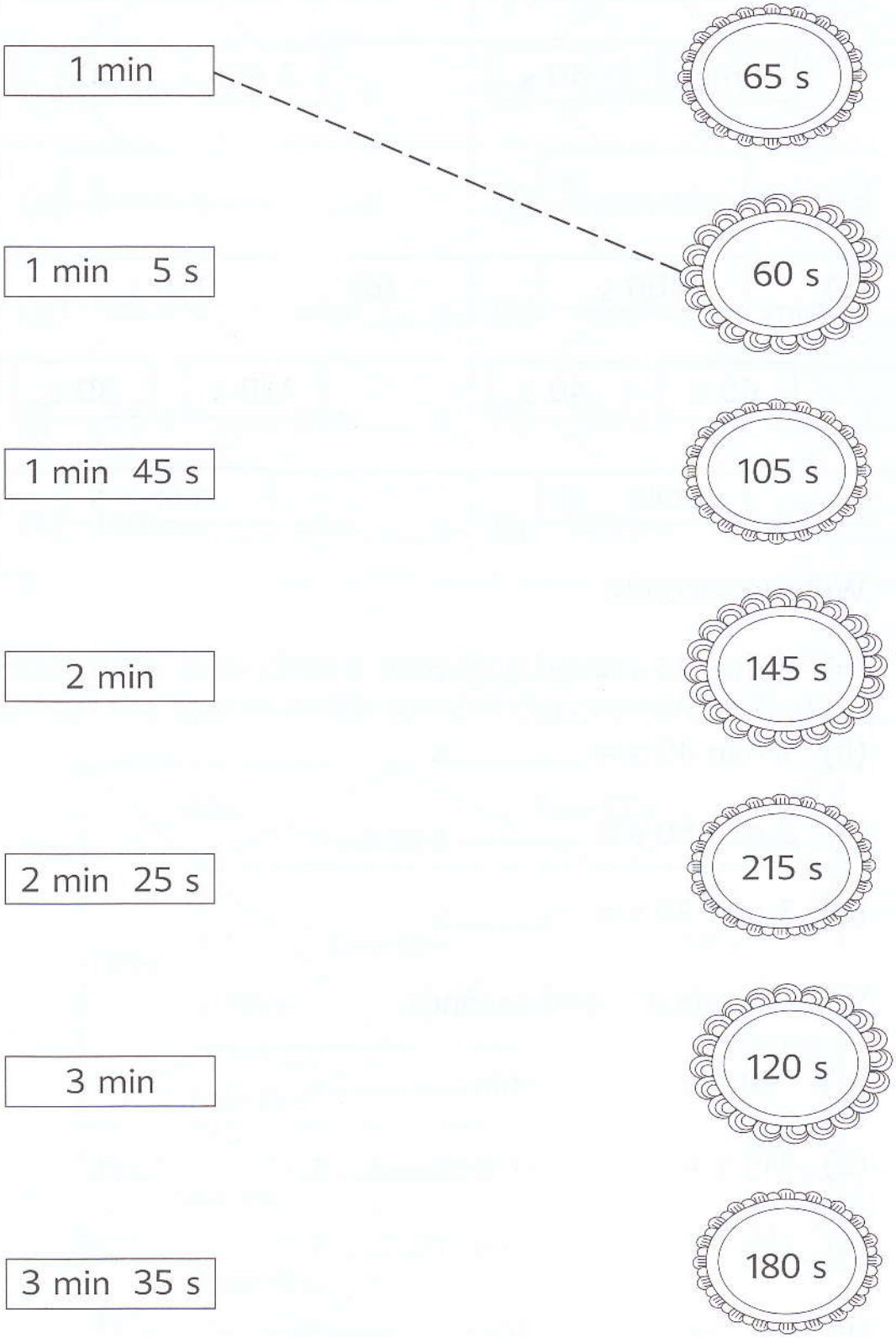
(b) 1 minute – 34 seconds = _____ seconds

(c) 1 minute – 15 seconds = _____ seconds

(d) 1 minute – 26 seconds = _____ seconds

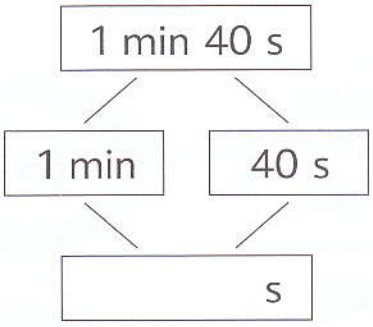
EXERCISE 42

1. Match.

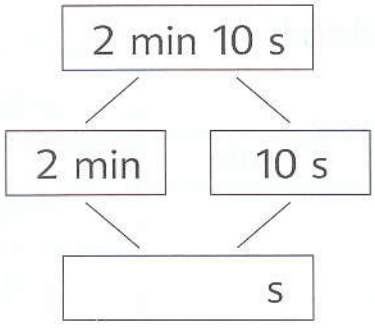


2. Write the missing numbers.

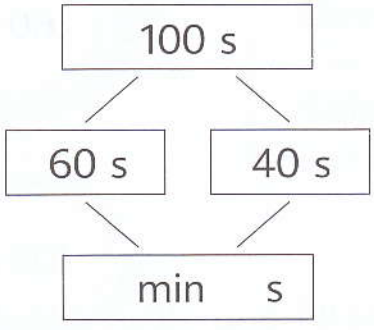
(a)



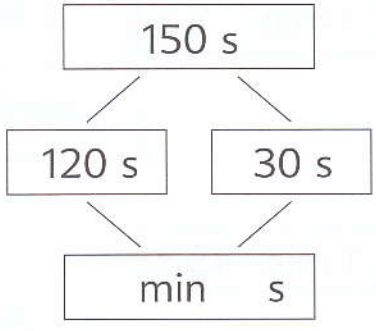
(b)



(c)



(d)



3. Write in seconds.

(a) 1 min 25 s = _____ s

(b) 2 min 45 s = _____ s

(c) 2 min 50 s = _____ s

(d) 3 min 30 s = _____ s

4. Write in minutes and seconds.

(a) 90 s = _____ min _____ s

(b) 115 s = _____ min _____ s

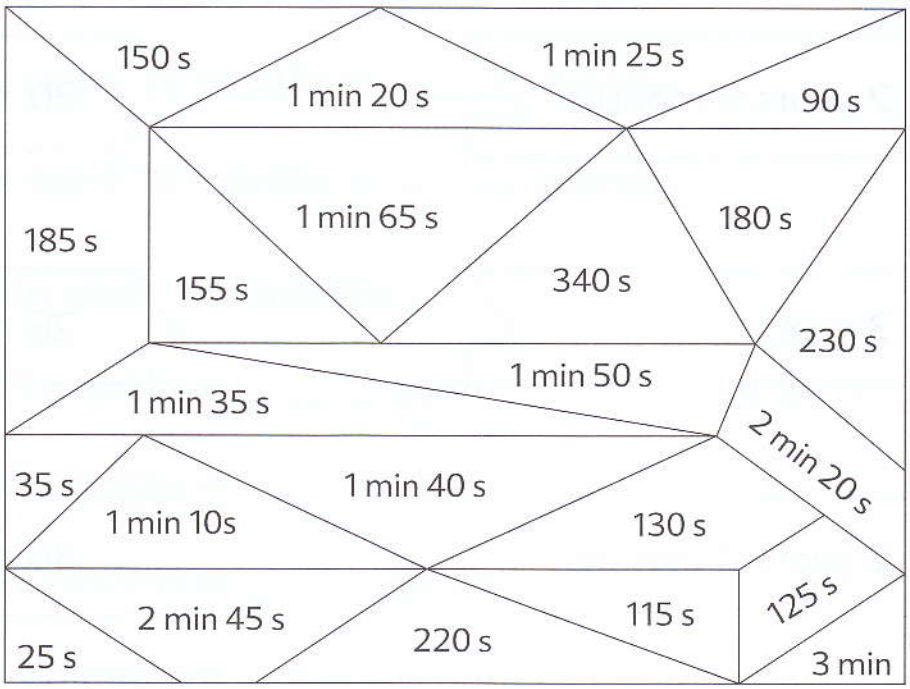
(c) 125 s = _____ min _____ s

(d) 200 s = _____ min _____ s

5. Fill in the blanks.

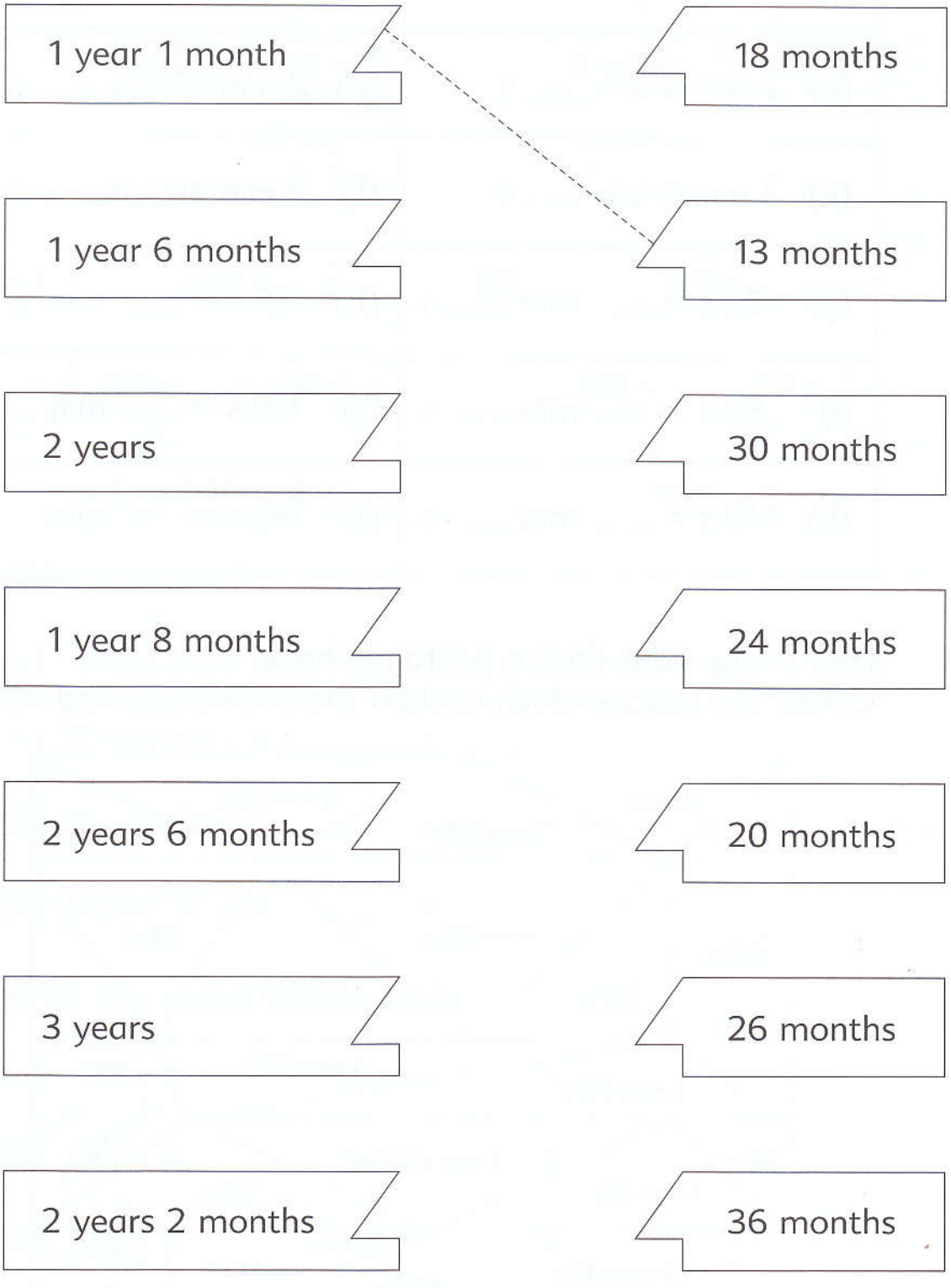
(a) 1 min 30 s = ____ s	(b) 1 min 55 s = ____ s
(c) 2 min 5 s = ____ s	(d) 2 min 30 s = ____ s
(e) 3 min 5 s = ____ s	(f) 3 min 40 s = ____ s
(g) 80 s = ____ min ____ s	(h) 85 s = ____ min ____ s
(i) 95 s = ____ min ____ s	(j) 110 s = ____ min ____ s
(k) 140 s = ____ min ____ s	(l) 165 s = ____ min ____ s

How many sides does a pentagon have?
Colour the spaces which contain the answers to find out.



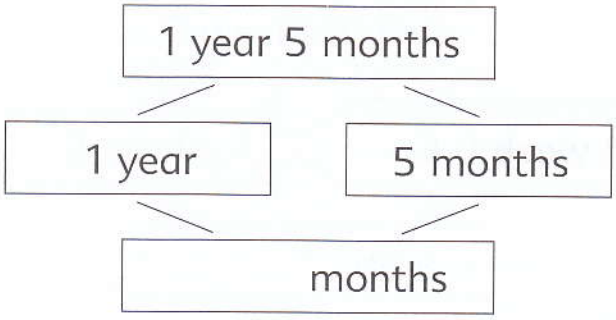
EXERCISE 43

1. Match.

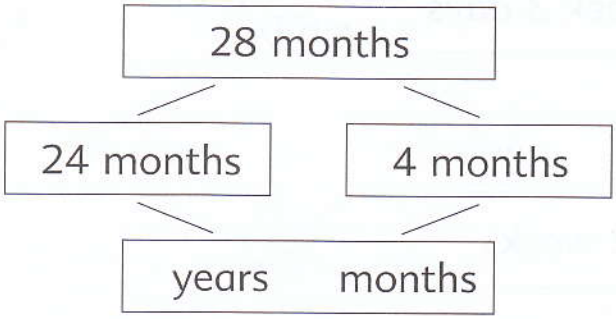


2. Write the missing numbers.

(a)



(b)



3. Write in months.

(a) 1 year 3 months = _____ months

(b) 2 years 5 months = _____ months

(c) 2 years 11 months = _____ months

(d) 3 years 10 months = _____ months

4. Write in years and months.

(a) 15 months = _____ year _____ months

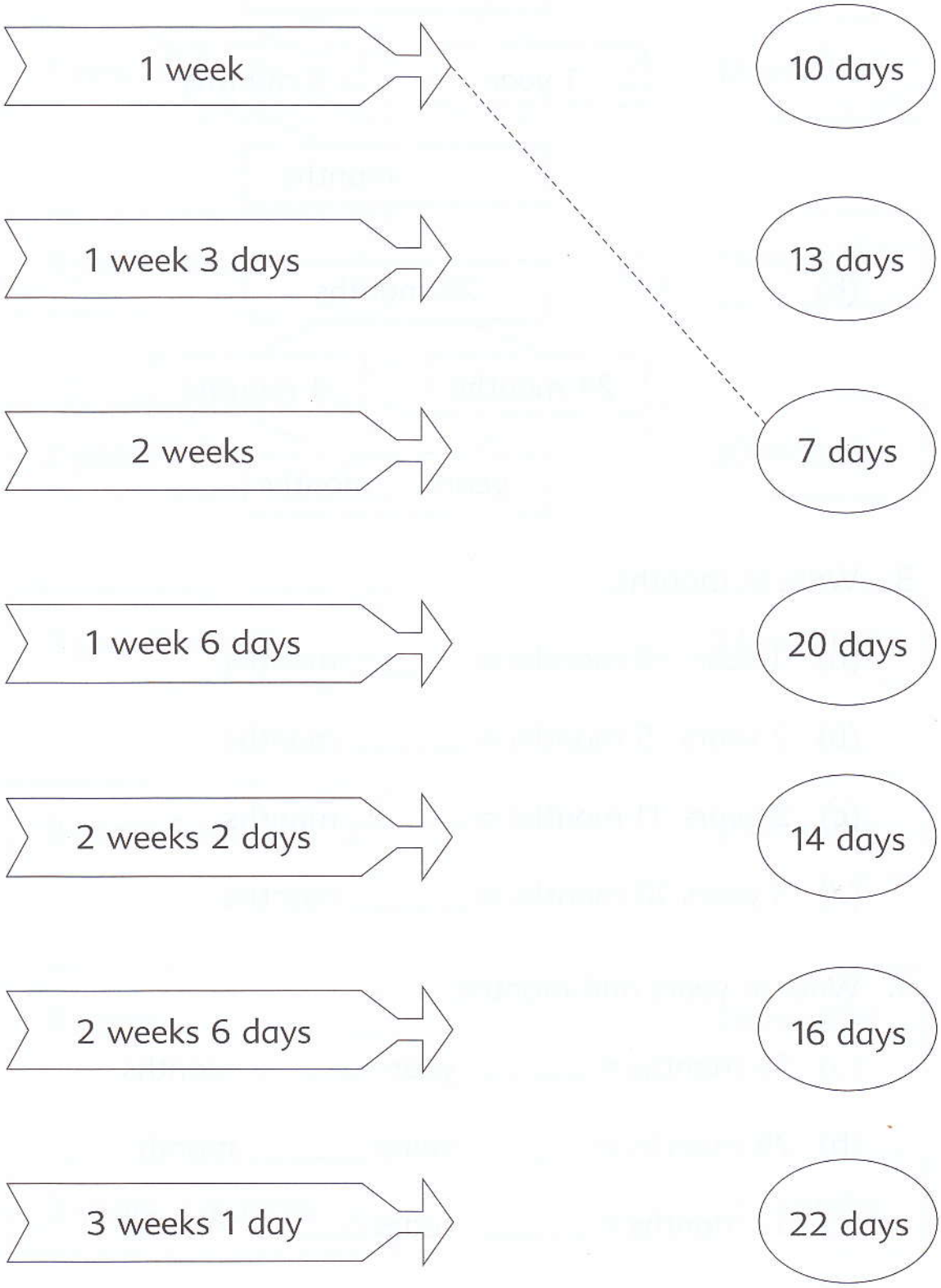
(b) 25 months = _____ years _____ month

(c) 32 months = _____ years _____ months

(d) 40 months = _____ years _____ months

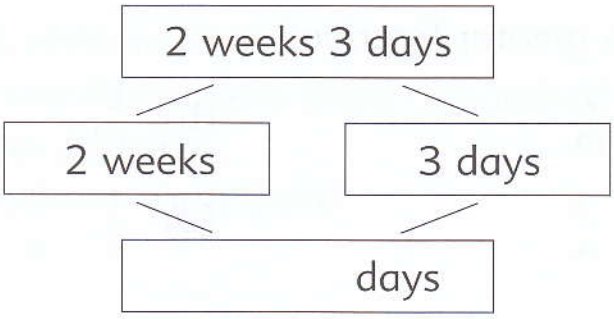
EXERCISE 44

1. Match.

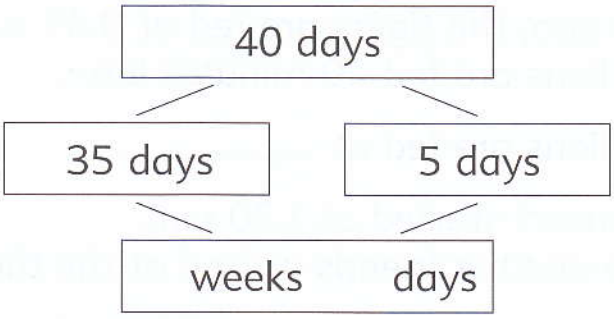


2. Write the missing numbers.

(a)



(b)



3. Write in days.

(a) 1 week 5 days = _____ days

(b) 2 weeks 4 days = _____ days

(c) 3 weeks 3 days = _____ days

(d) 4 weeks 2 days = _____ days

4. Write in weeks and days.

(a) 12 days = _____ week _____ days

(b) 25 days = _____ weeks _____ days

(c) 30 days = _____ weeks _____ days

(d) 32 days = _____ weeks _____ days

REVISION 7

1. Circle the greater fraction.

   (a) $\frac{2}{5}$, $\frac{7}{10}$ (b) $\frac{5}{6}$, $\frac{1}{3}$

   (c) $\frac{5}{12}$, $\frac{3}{4}$ (d) $\frac{1}{2}$, $\frac{3}{8}$

2. Fill in the blanks.

   (a) At a zoo, the tigers are fed at 9.45 a.m.
   The lions are fed 40 minutes later.

   The lions are fed at _____.

   (b) A concert started at 1.20 p.m.
   Alice and her friends arrived at the theatre at 12.50 p.m.

   They were _____ minutes early.

3. Fill in the blanks.

   (a) \$2 = _____ × 50¢ (b) \$3 = _____ × 10¢

   (c) \$50 = _____ × \$5 (d) \$100 = _____ × \$10

4. Fill in the blanks with the correct units.

kg	g	m	cm	km	ℓ	ml

   (a) Lily uses 2 _____ of cloth to make a dress.

   (b) The capacity of a cup is 200 _____.

   (c) Mary used about 500 _____ of flour to bake a cake.

   (d) Meili bought an airpot which can hold 3 _____ of water.

   (e) The distance from Ali's house to the Bird Park is about 2 _____.

5. 10 groups of children visited an ice cream factory one Saturday.
There were 28 children in each group.
(a) How many children were there altogether?
(b) There were 136 girls.
How many boys were there?

6. Siti had $20.
She spent $1.60 on bus-fare and $5.40 on lunch.
How much money had she left?

EXERCISE 45

1. Mark the angles of each figure.
   Then complete the table below.

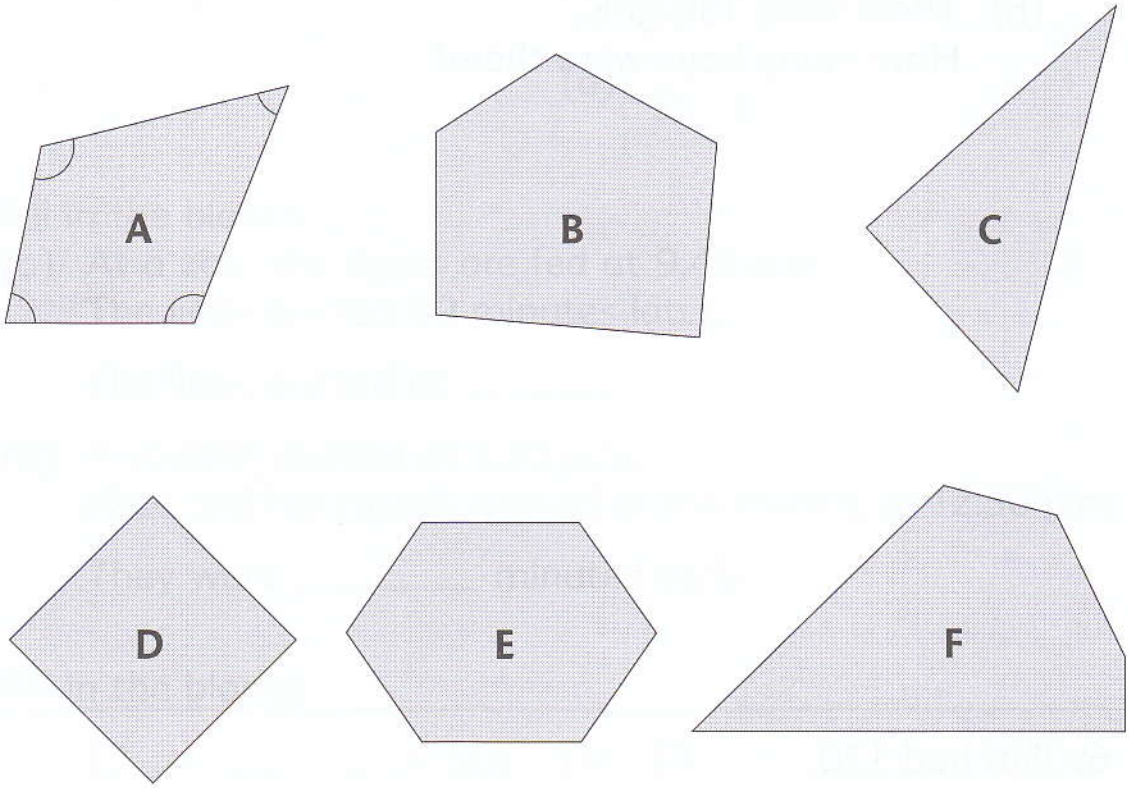
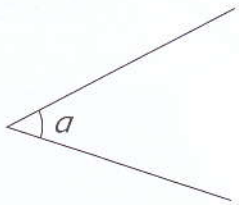
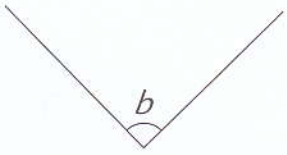
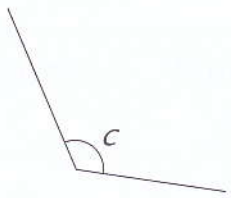
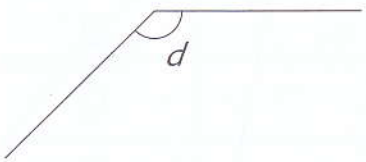
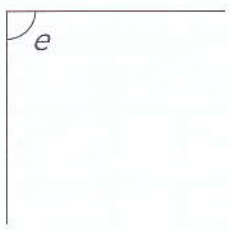


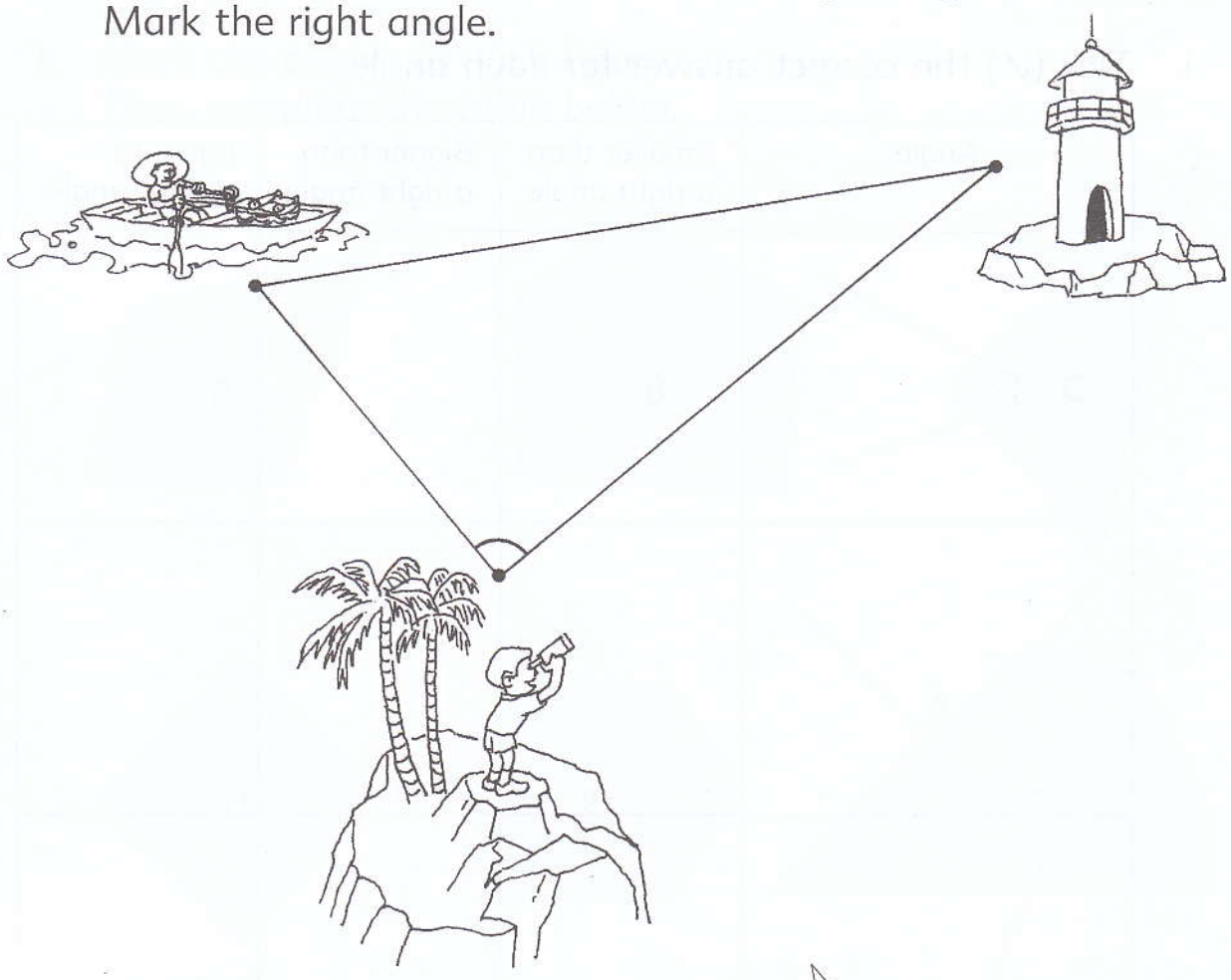
Figure	Number of sides	Number of angles
A	4	4
B		
C		
D		
E		
F		

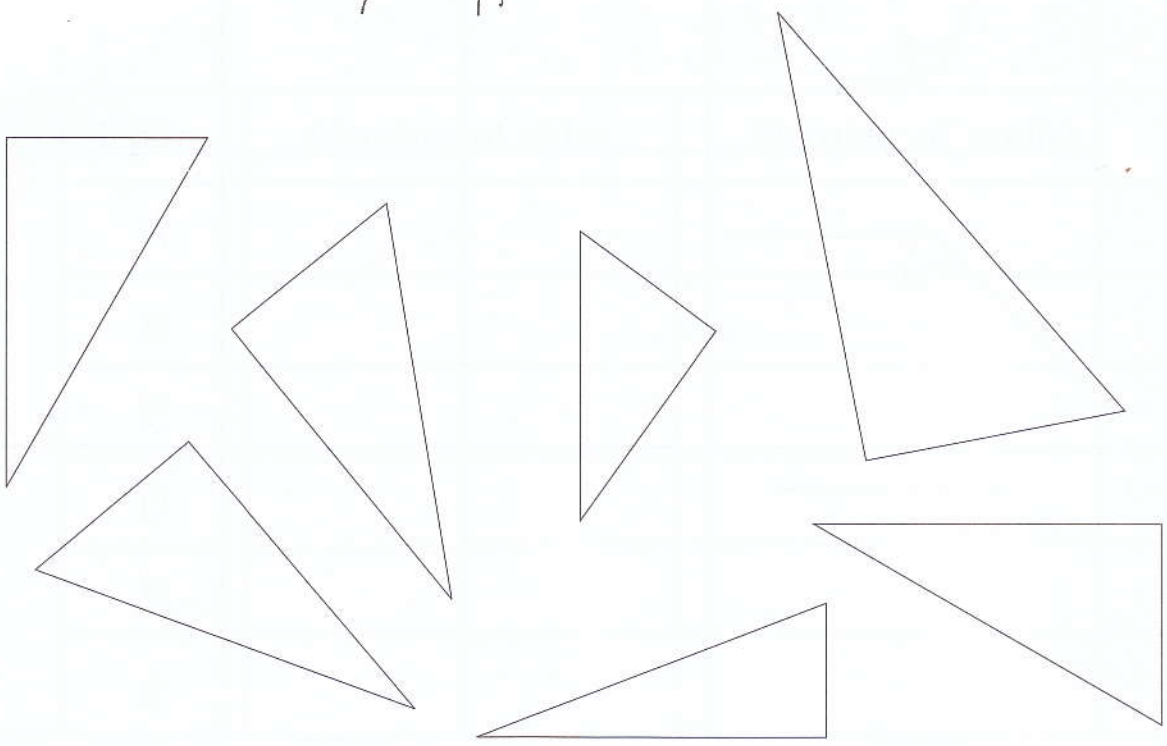
EXERCISE 46

1. Tick (✓) the correct answer for each angle.

Angle	Smaller than a right angle	Bigger than a right angle	Equal to a right angle
			
			
			
			
			

2. Each of the following triangles has a right angle. Mark the right angle.





3. Complete the table below.

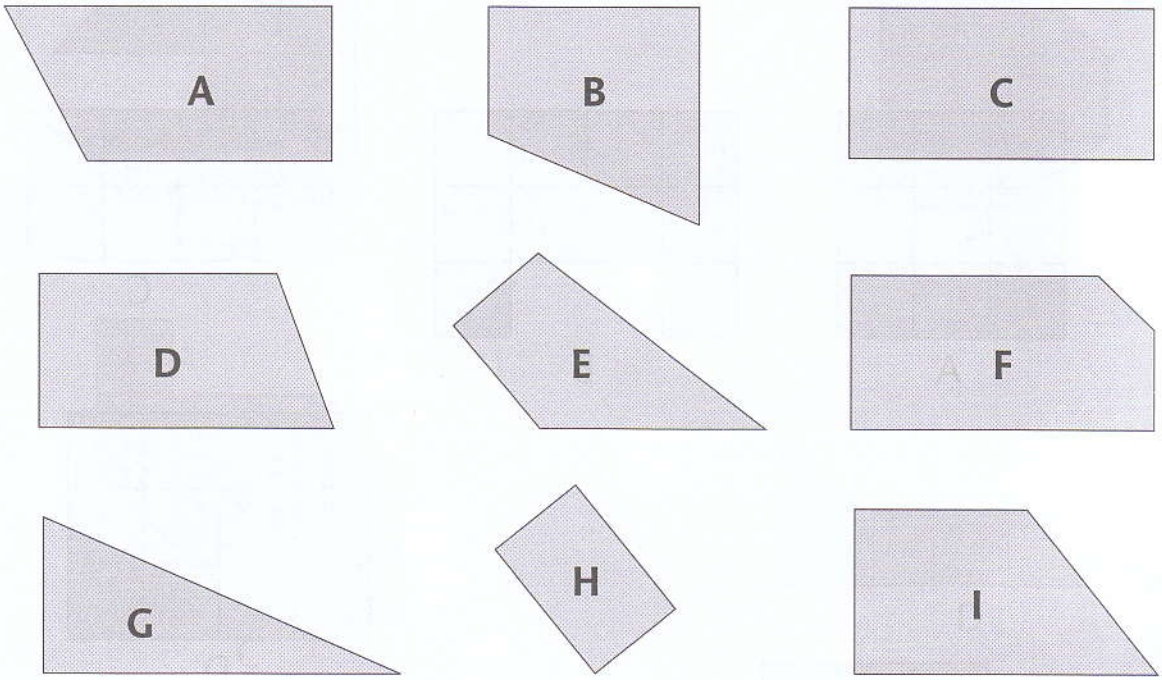
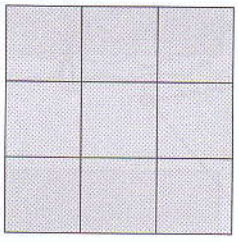


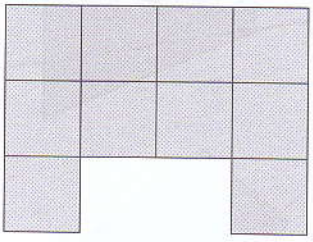
Figure	Number of sides	Number of angles	Number of right angles
A			
B			
C			
D			
E			
F			
G			
H			
I			

EXERCISE 47

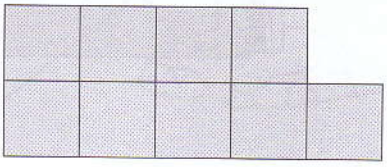
1. What is the area of each of the following figures?



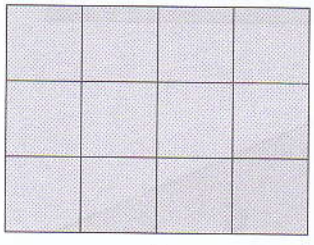
A



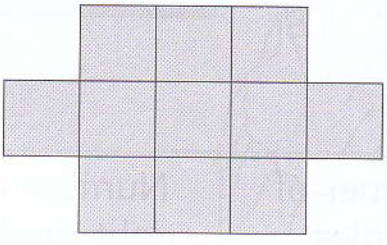
B



C



D

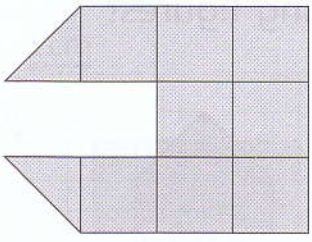


E

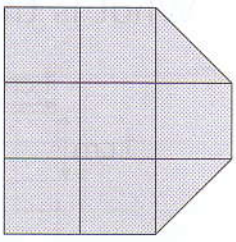
F

Figure	Area
A	square units
B	square units
C	square units
D	square units
E	square units
F	square units

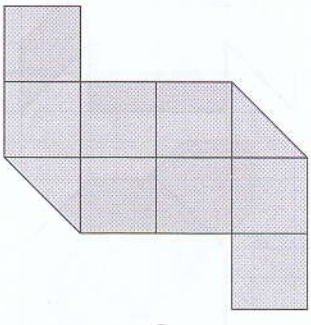
2. What is the area of the following figures?



A

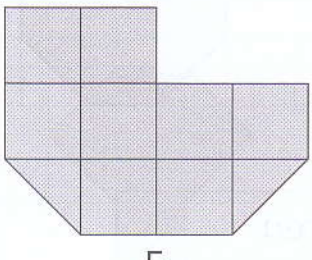


B

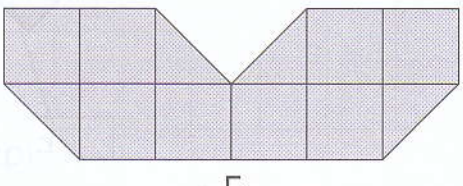


C

D



E



F

Figure	Area
A	square units
B	square units
C	square units
D	square units
E	square units
F	square units

EXERCISE 48

1. What is the area of each of the following figures?

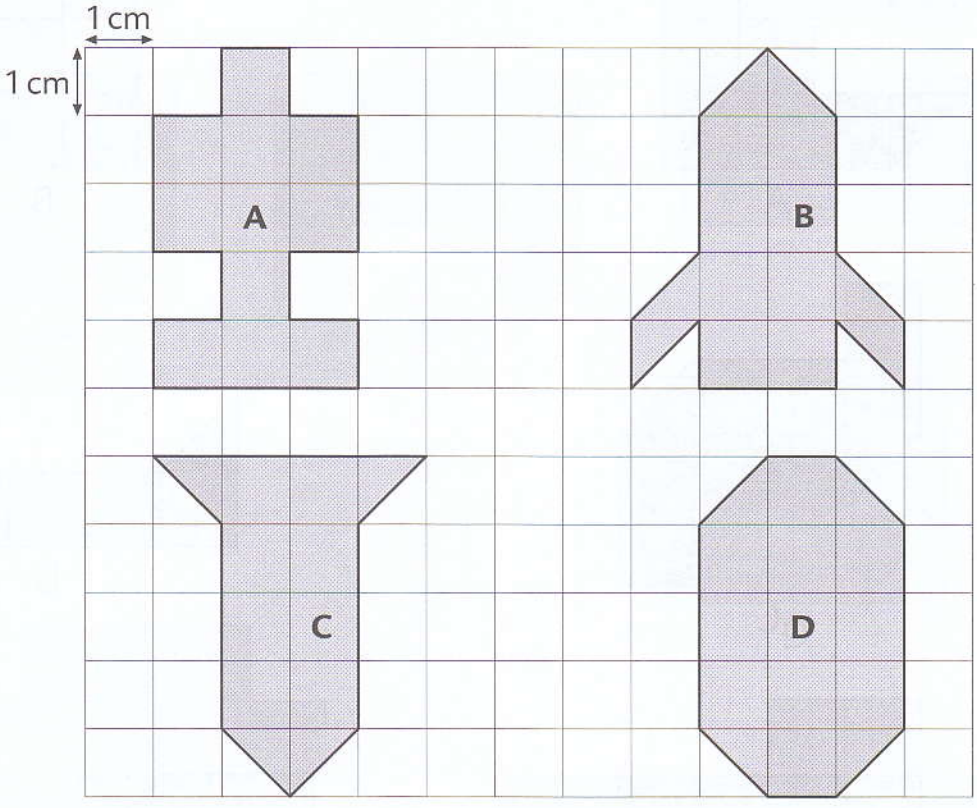


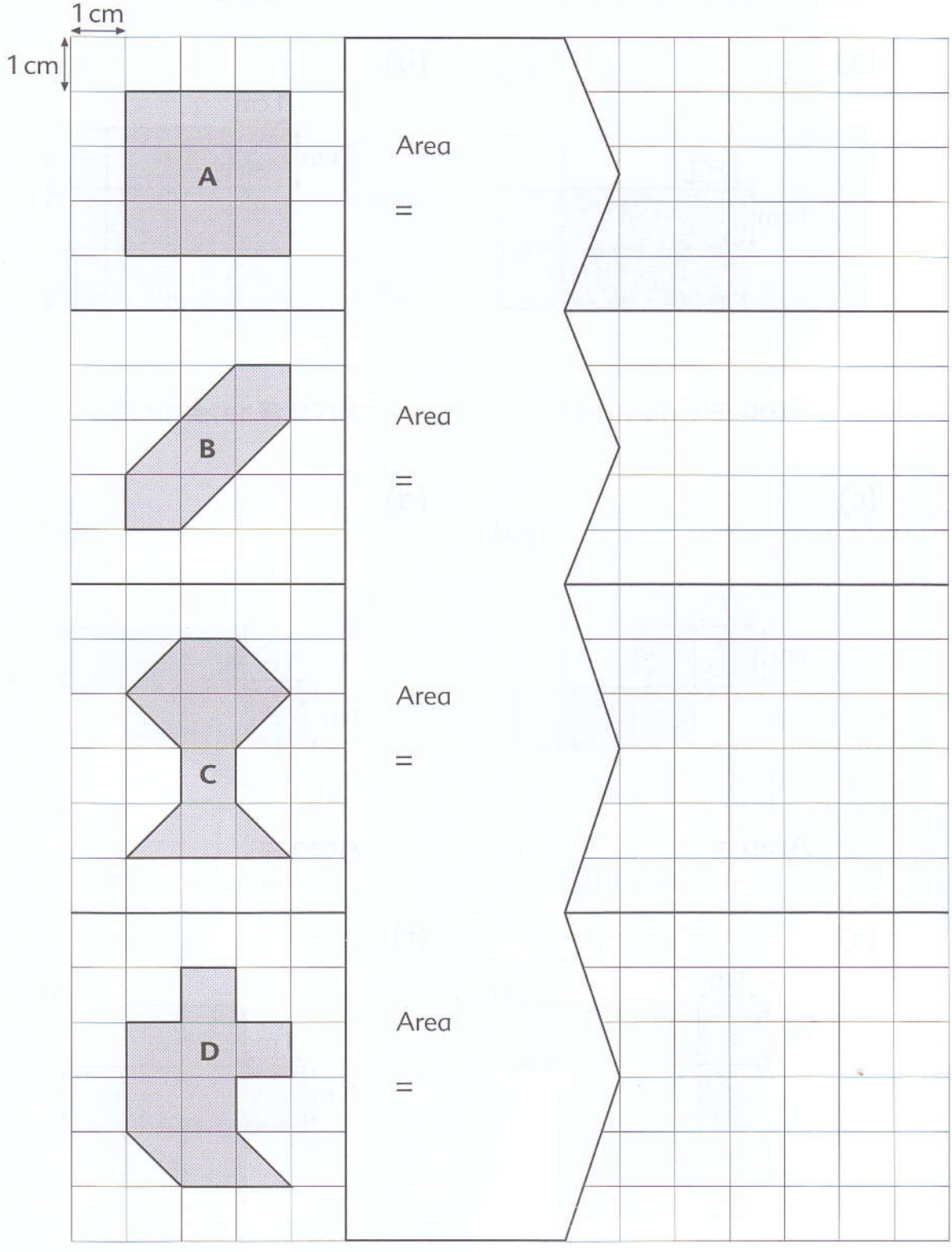
Figure	Area
A	cm^2
B	cm^2
C	cm^2
D	cm^2

Figure _____ and Figure _____ have the same area.

Figure _____ has the biggest area.

Figure _____ has the smallest area.

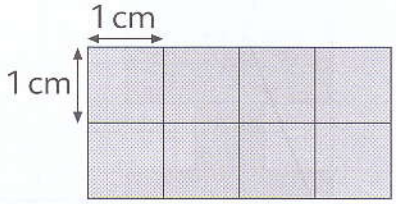
2. Write the area of each figure.
Then draw another figure of the same area.



EXERCISE 49

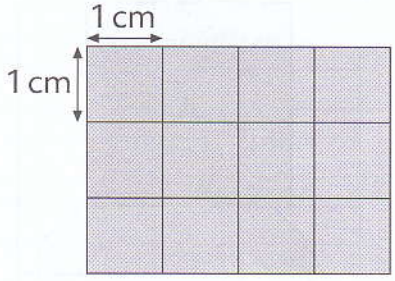
1. What is the area of each of the following figures?

(a)



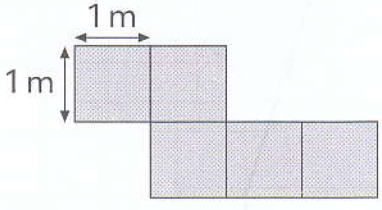
Area =

(b)



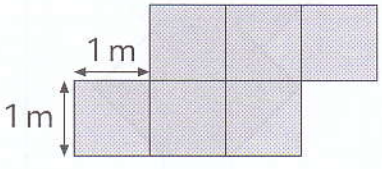
Area =

(c)



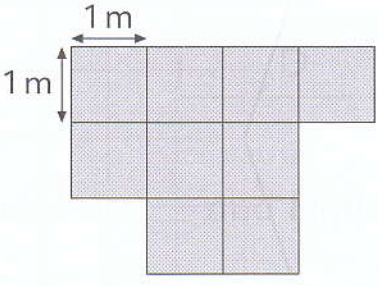
Area =

(d)



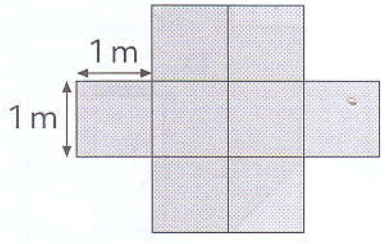
Area =

(e)



Area =

(f)

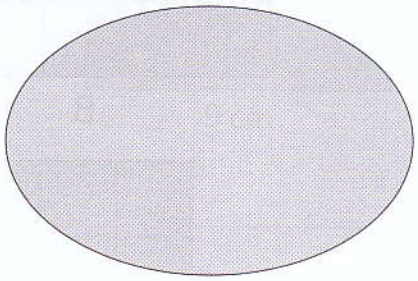


Area =

EXERCISE 50

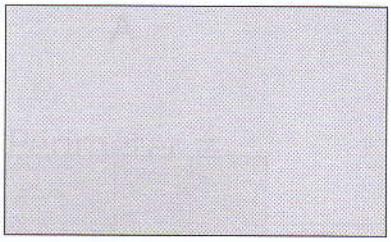
1. Measure the perimeter of each of the following figures.

(a)



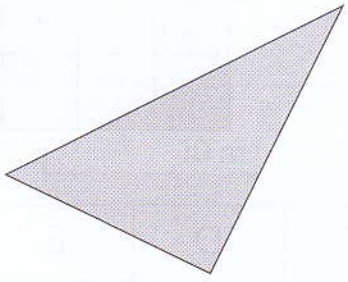
Perimeter =

(b)



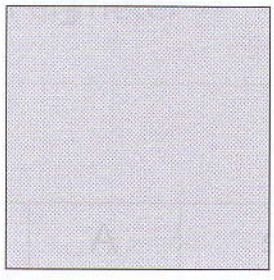
Perimeter =

(c)



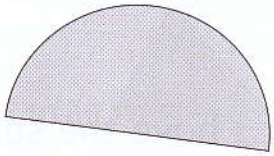
Perimeter =

(d)



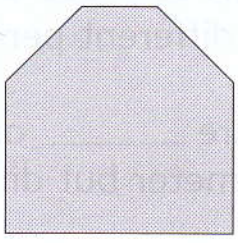
Perimeter =

(e)



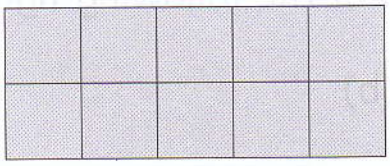
Perimeter =

(f)

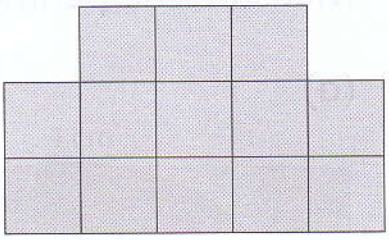


Perimeter =

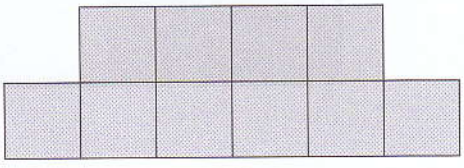
2. The following figures are made up of 1-cm squares.
   (a) Find the area and the perimeter of each figure.



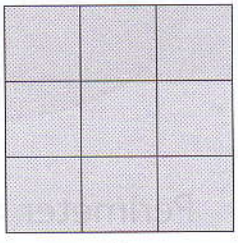
A



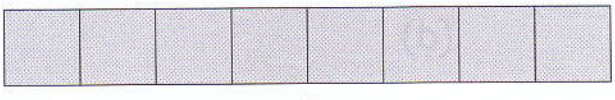
B



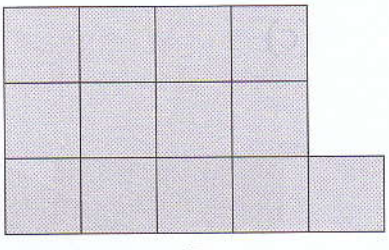
C



D



E



F

Figure	A	B	C	D	E	F
Area	cm^2	cm^2	cm^2	cm^2	cm^2	cm^2
Perimeter	cm	cm	cm	cm	cm	cm

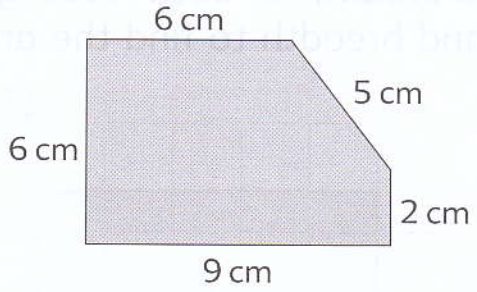
(b) Figure _____ and Figure _____ have the same area but different perimeters.

(c) Figure _____ and Figure _____ have the same perimeter but different areas.

(d) Figure _____ and Figure _____ have the same area and perimeter.

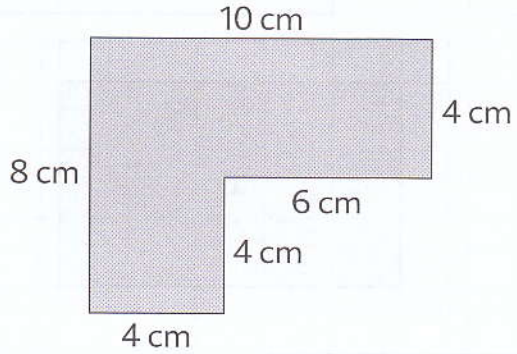
3. Find the perimeter of each of the following figures:

(a)



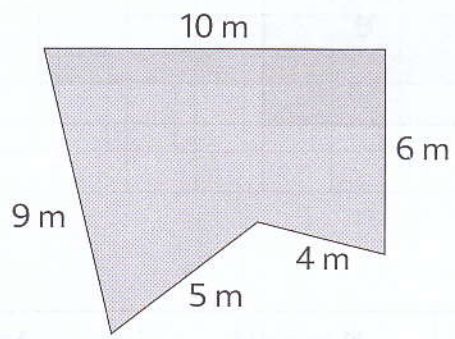
Perimeter =

(b)



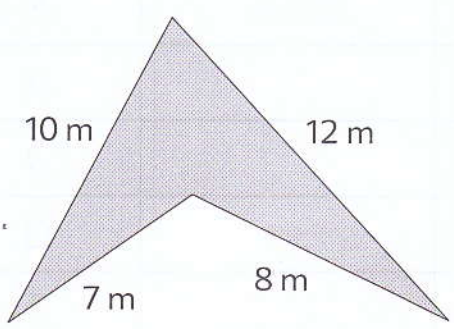
Perimeter =

(c)



Perimeter =

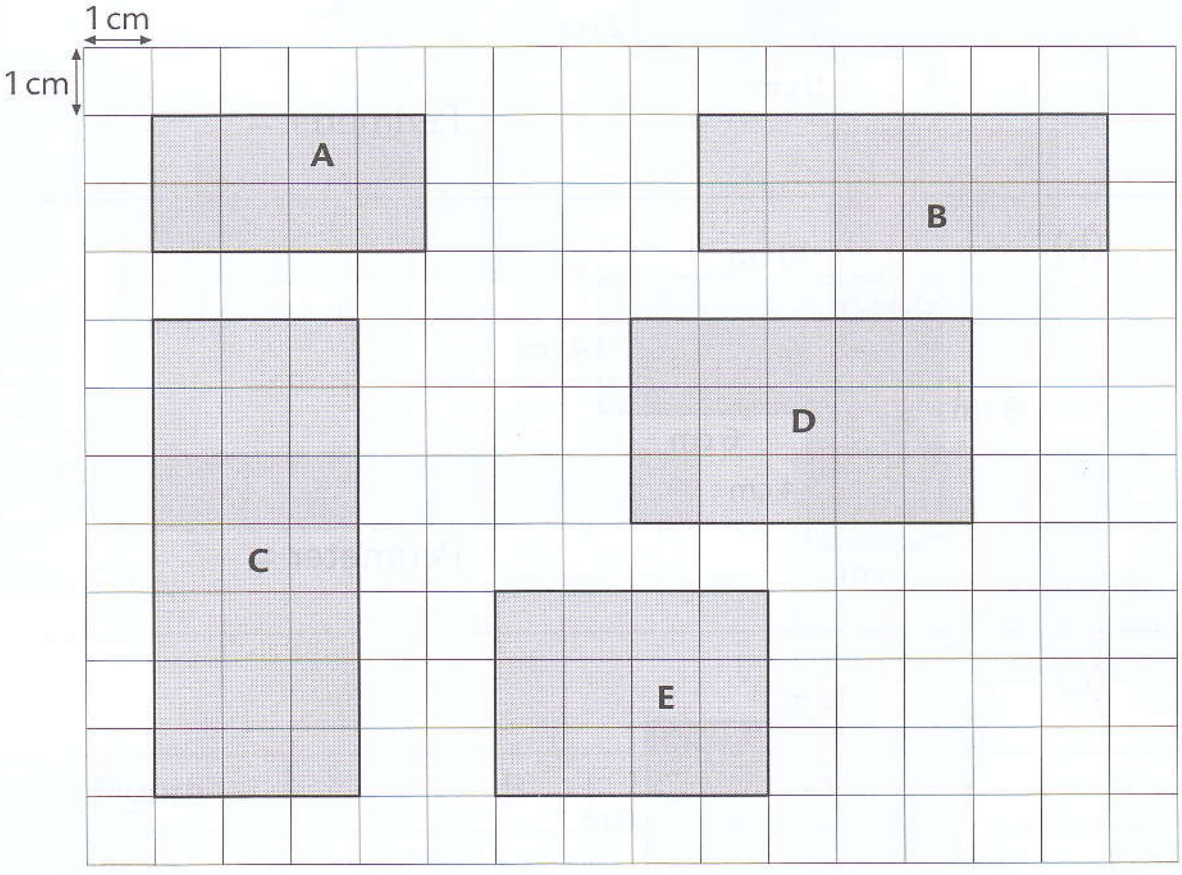
(d)



Perimeter =

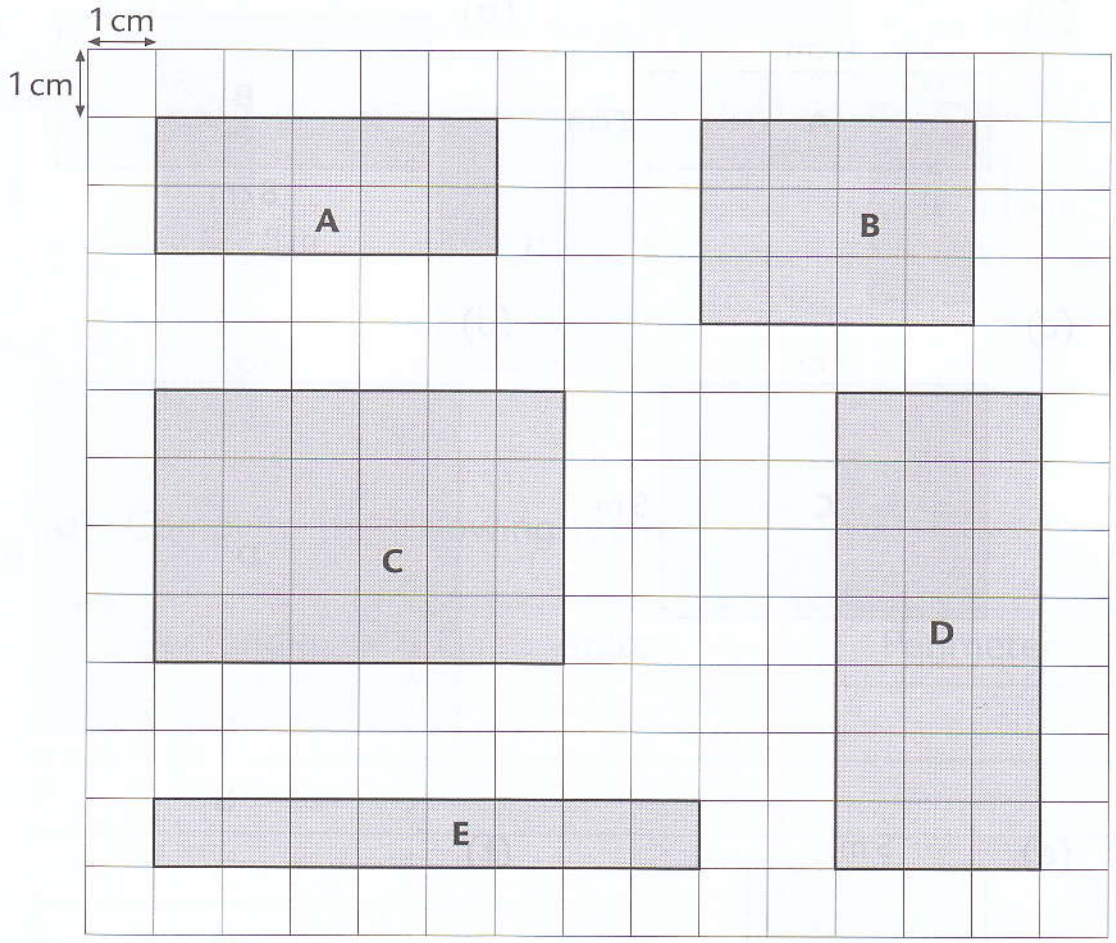
EXERCISE 51

1. Write down the length and breadth of each rectangle. Then multiply the length and breadth to find the area of the rectangle.



Rectangle	Length	Breadth	Area
A	4 cm	2 cm	8 cm^2
B			
C			
D			
E			

2. Find the area of each rectangle by multiplying its length and breadth.

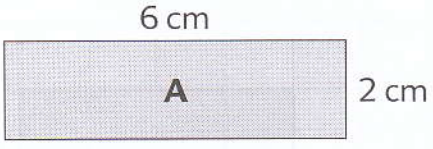


Rectangle	Length	Breadth	Area
A	5 cm	2 cm	10 cm^2
B			
C			
D			
E			

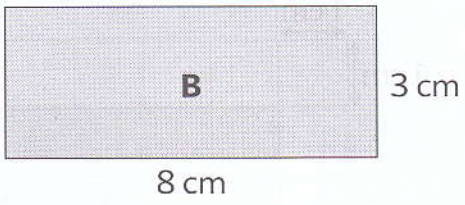
EXERCISE 52

1. Find the area of each rectangle.

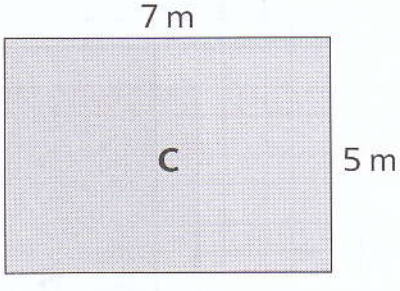
(a)



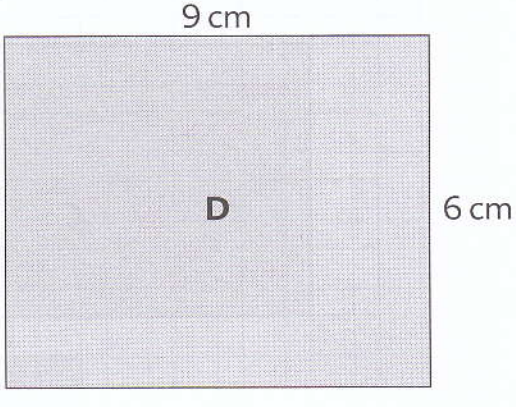
(b)



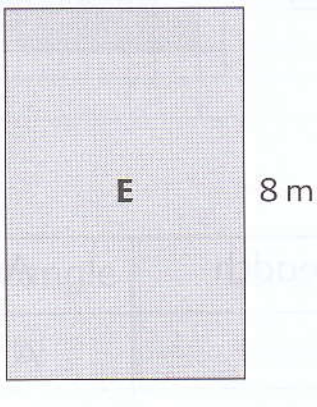
(c)



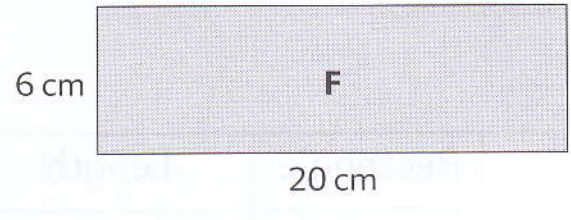
(d)



(e)

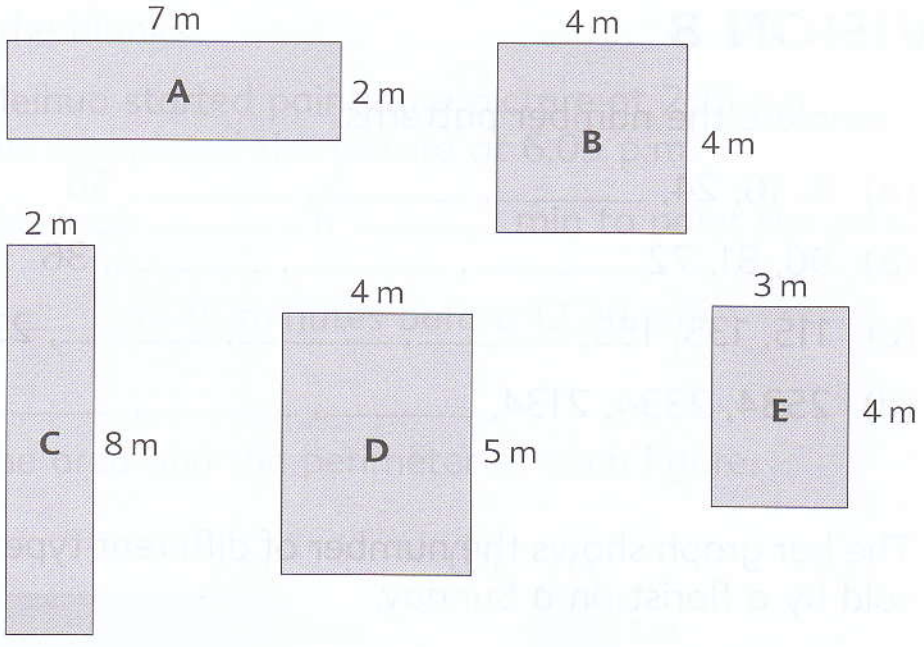


(f)



Rectangle	A	B	C	D	E	F
Area	12 cm²					

2.



(a) Complete the following table.

Rectangle	Area	Perimeter
A		
B		
C		
D		
E		

(b) Rectangle _____ has the smallest area.

(c) Rectangle _____ has the longest perimeter.

(d) Rectangle _____ and Rectangle _____ have the same area.

(e) Rectangle _____ and Rectangle _____ have the same perimeter.

REVISION 8

1. Complete the number patterns.

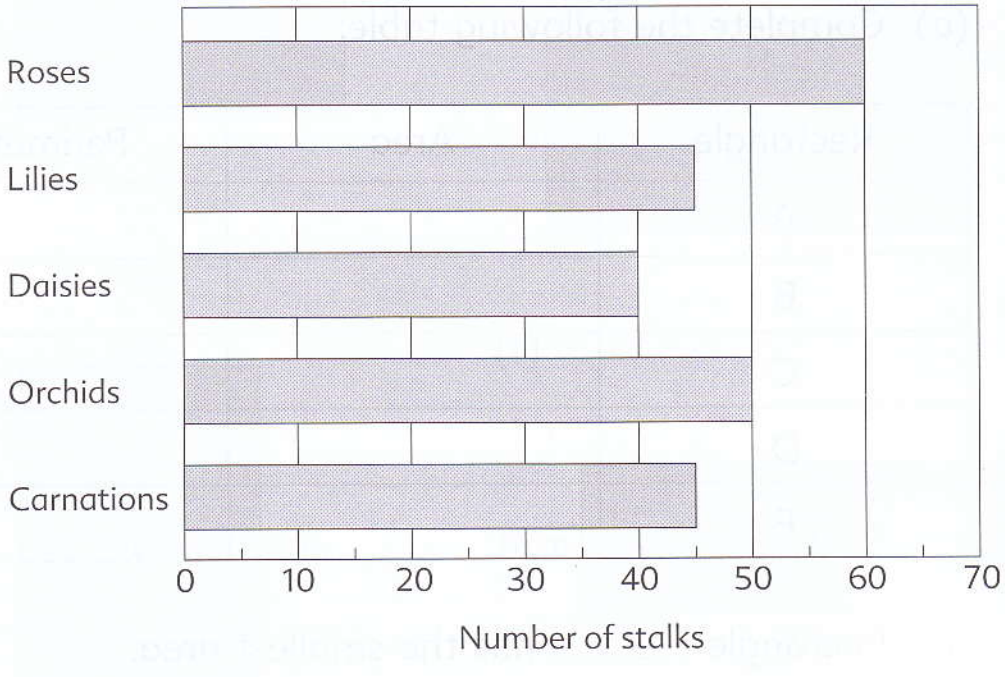
   (a) 8, 16, 24, _____, _____, _____, 56

   (b) 90, 81, 72, _____, _____, _____, 36

   (c) 115, 135, 155, _____, _____, _____, 235

   (d) 2534, 2334, 2134, _____, _____, _____, 1334

2. The bar graph shows the number of different types of flowers sold by a florist on a Sunday.



Study the graph and fill in the blanks.

(a) The florist sold _____ stalks of carnations.

(b) The number of stalks of roses sold was _____ more than the number of stalks of daisies sold.

(c) He sold _____ stalks of flowers altogether.

3. Fill in the blanks.

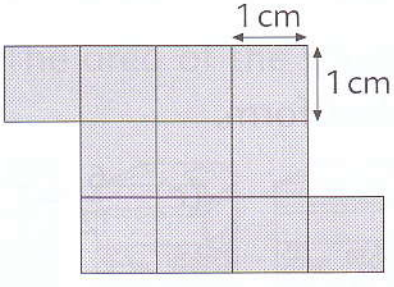
(a) Meihua started painting a picture at 2.15 p.m.
She completed the picture at 6.05 p.m.

She took _____ h _____ min to paint the picture.

(b) _____ is 45 minutes before 12.20 p.m.

4. Find the area and the perimeter of each figure.

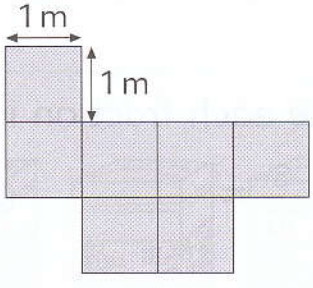
(a)



Area =

Perimeter =

(b)

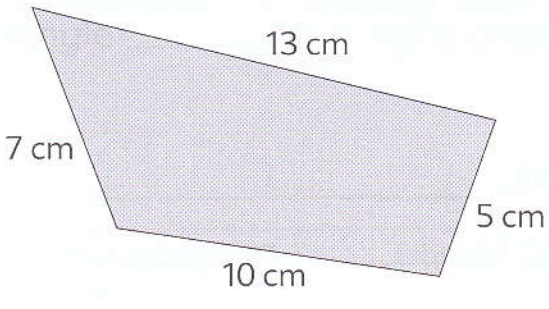


Area =

Perimeter =

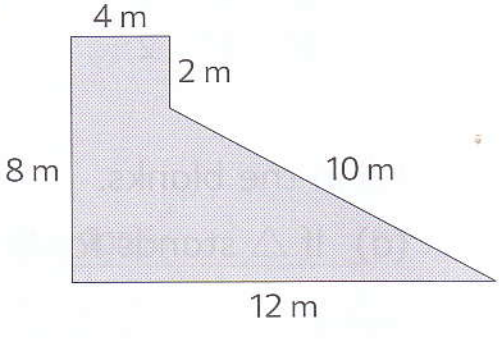
5. Find the perimeter of each figure.

(a)



Perimeter =

(b)



Perimeter =

REVISION 9

1. What does the digit 5 stand for in each number?

   (a) **5**443 → ☐

   (b) 76**5**2 → ☐

2. Write the missing numerators and denominators.

   (a) $\frac{2}{3} = \frac{\quad}{9}$ (b) $\frac{6}{10} = \frac{3}{\quad}$ (c) $\frac{\quad}{6} = \frac{10}{12}$

3. Write each fraction in its simplest form.

   (a) $\frac{8}{10} =$ (b) $\frac{9}{12} =$ (c) $\frac{6}{12} =$

4. Write the fractions in order, beginning with the smallest.

   (a) $\frac{5}{6}, \frac{2}{6}, \frac{3}{6}$ _____

   (b) $\frac{4}{9}, \frac{2}{3}, \frac{7}{9}$ _____

   (c) $\frac{3}{8}, \frac{3}{4}, \frac{1}{2}$ _____

5. Fill in the blanks.

   (a) If △ stands for 5 people,

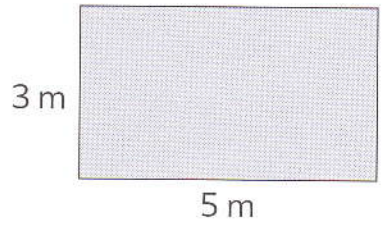
   △ △ △ △ △ △ stand for _____ people.

   (b) If ☐ ☐ ☐ ☐ stand for 40 books,

   each ☐ stands for _____ books.

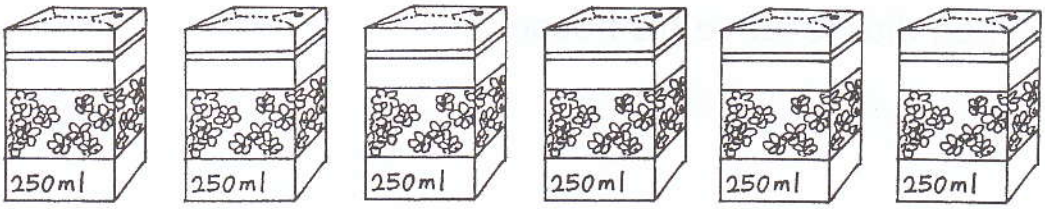
Fill in the blanks.

6. The rectangle and the square have the same perimeter. Find their areas.

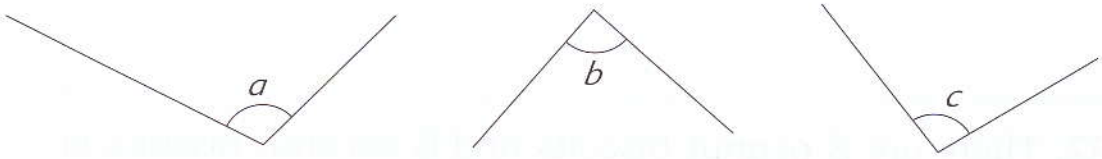


(a) The area of the rectangle is _____.

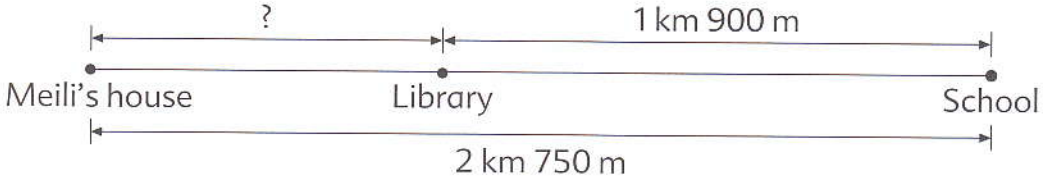
(b) The area of the square is _____.

7. 

6 × 250 ml = _____ ℓ _____ ml

8. 

Angle _____ is a right angle.

9. 

The distance from Meili's house to the library is _____.

10. A notebook costs 45¢.
A pen costs 8 times as much as the notebook.
What is the cost of the pen?

---

11. Minghua took 20 minutes to walk from his house to school.
He reached school at 7.10 a.m.
When did he leave his house?

---

12. There are 8 peanut biscuits and 6 coconut biscuits in one box.
How many biscuits are there in 5 boxes?

CURRICULUM PLANNING & DEVELOPMENT DIVISION
MINISTRY OF EDUCATION, SINGAPORE

Marshall Cavendish Education

ISBN 978-981-01-5657-2