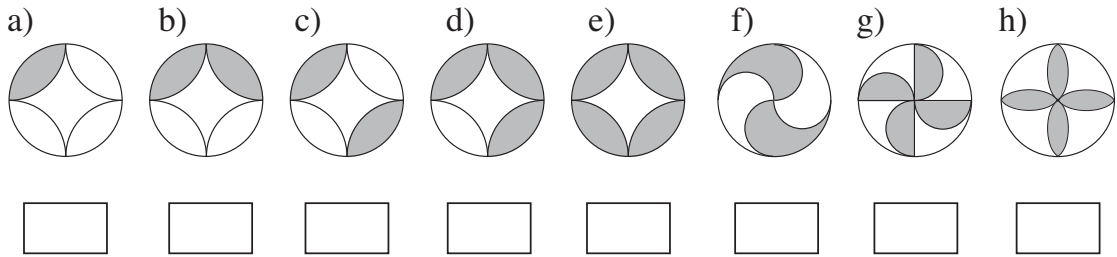


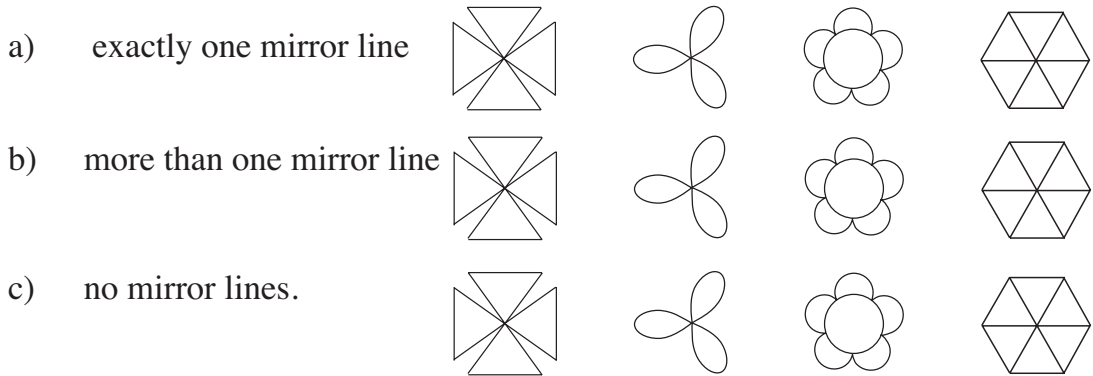
1

Write below each pattern the number of **mirror lines** it has.



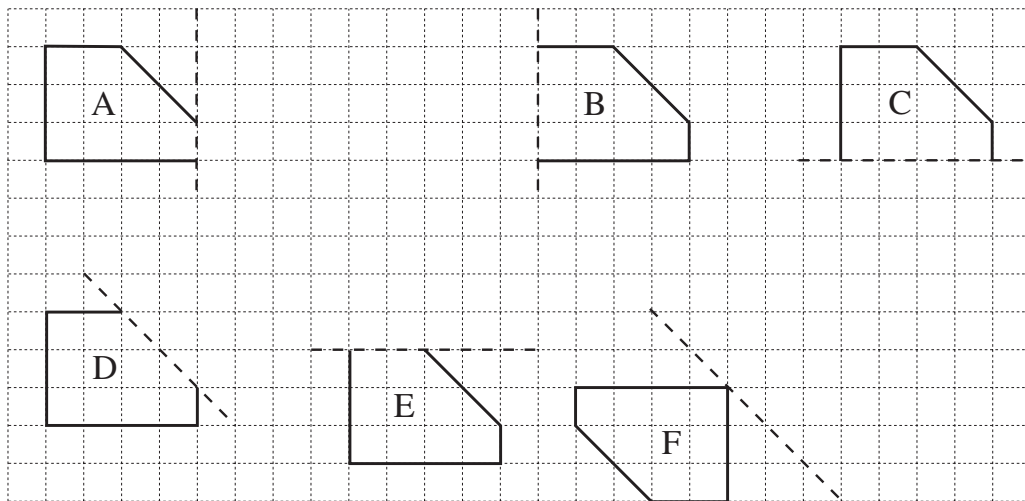
2

Colour each shape so that it has:



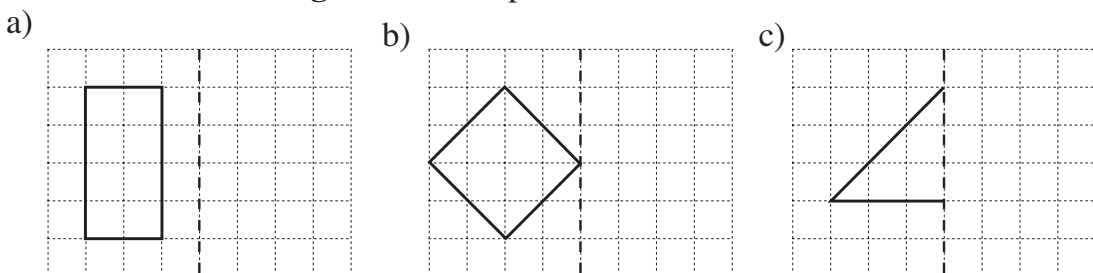
3

Reflect the shape in different ways. The broken lines are the mirror lines.



4

Draw the **mirror image** of each shape.



1

Colour the unit squares using only 3 colours. Do not use the same colour for adjoining unit squares. Make every large square different.

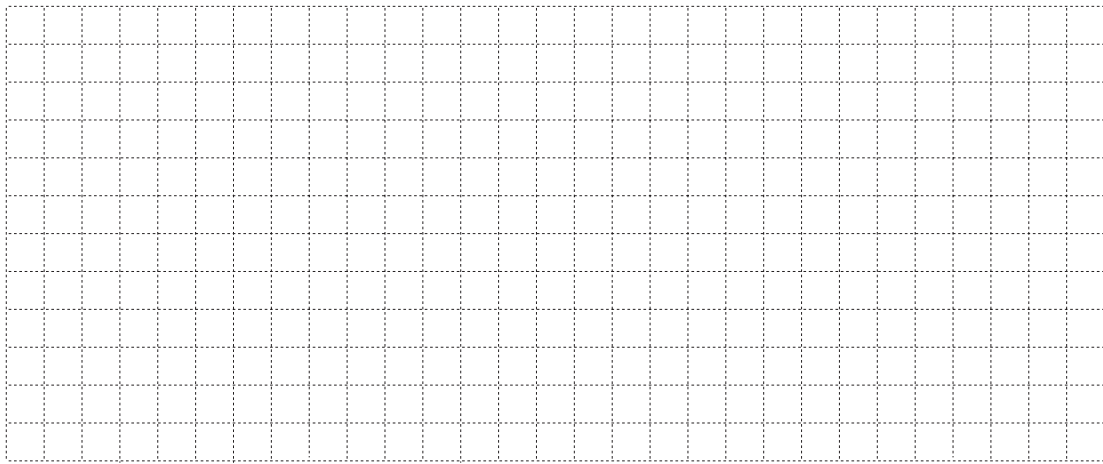


If a pattern is symmetrical, then draw in the mirror line(s).

2

Draw a line around 5 unit squares in different ways.

If a shape is **symmetrical**, draw in any mirror lines.

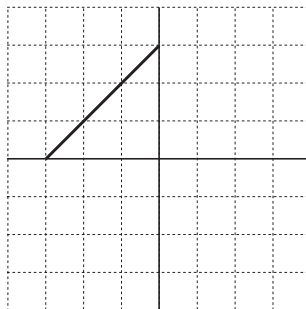
**3**

Reflect the shape in one **axis** first. Then reflect the shape and its mirror image in the other **axis**. Draw the mirror lines of the whole shape.

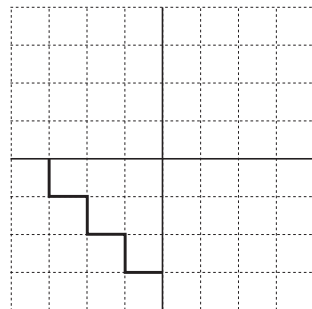
a)



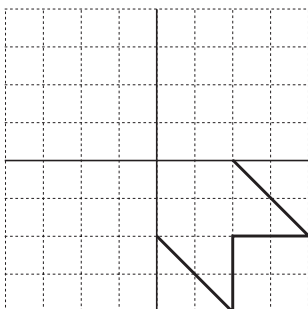
b)



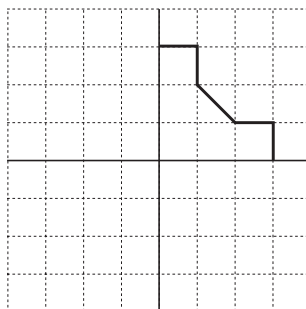
c)



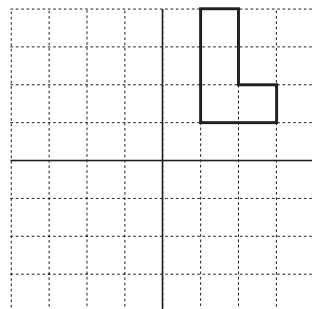
d)



e)

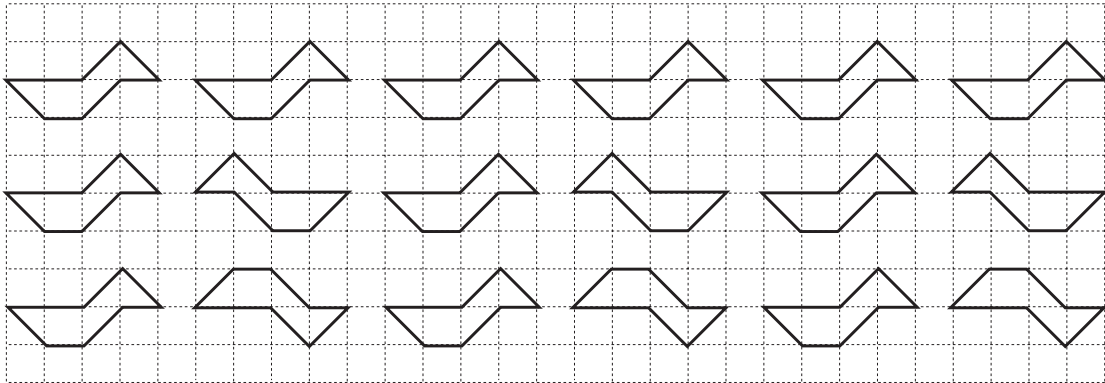


f)



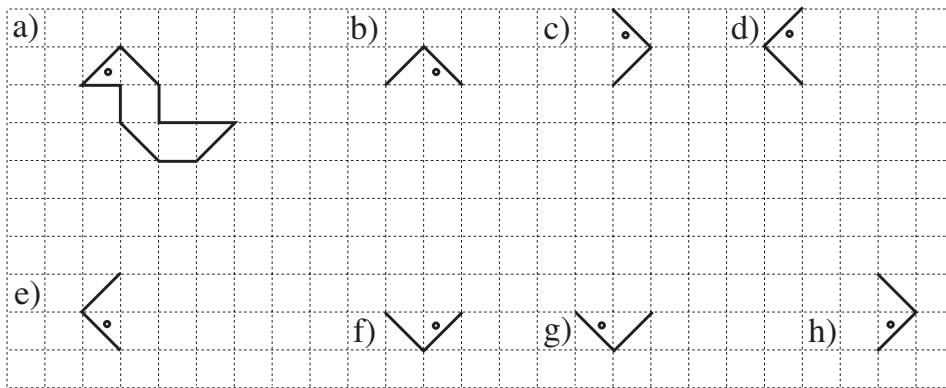
1

Colour the row in which the ducks are mirror images of each other.

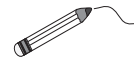


2

Complete the drawings so that each duck is exactly the same as the first duck.

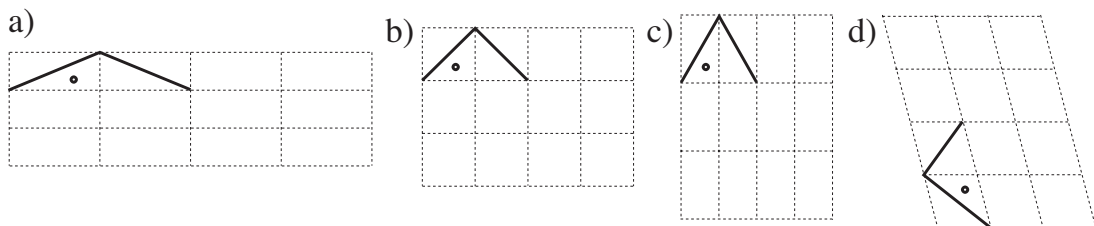


Join up the pairs which are mirror images of each other.



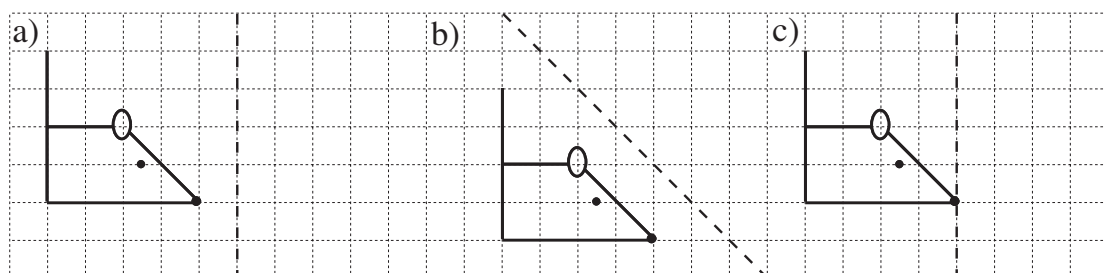
3

Draw the duck on these grids.



4

Draw the mirror image of the mouse.

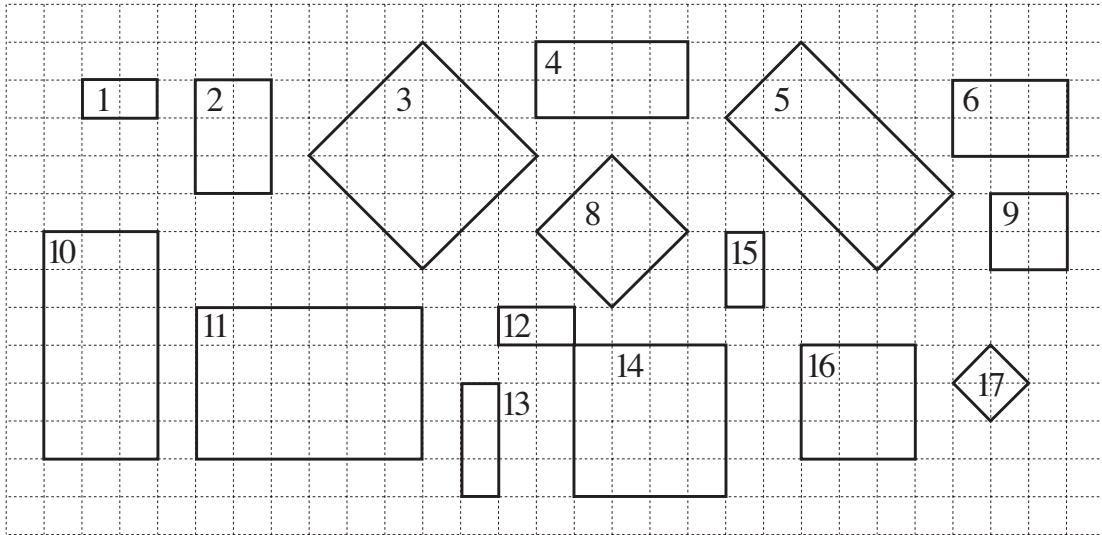


1

Colour in the same colour shapes which are **similar** to

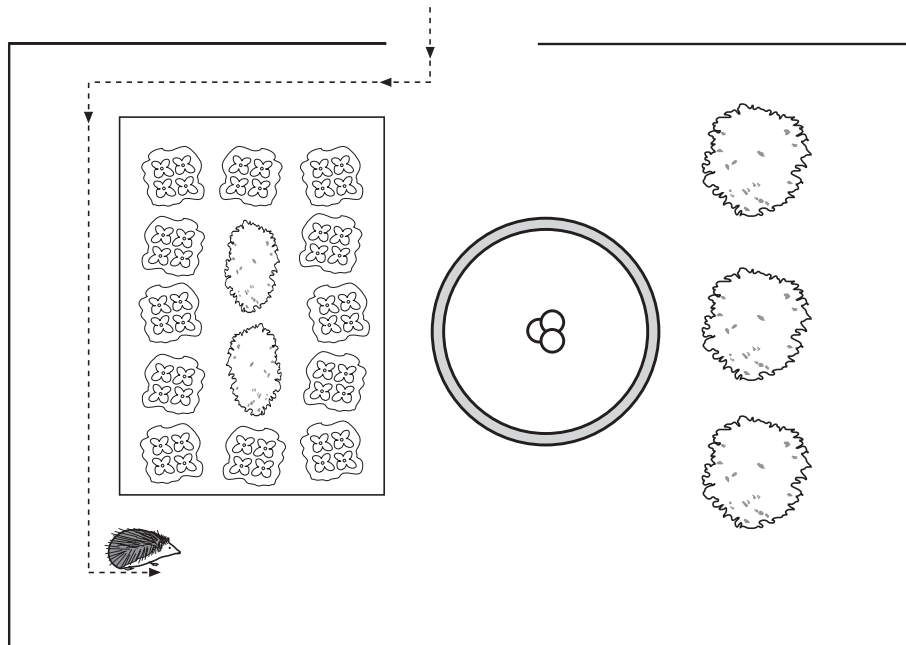
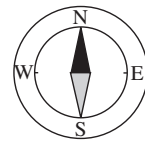
- i) rectangle 1 ii) rectangle 2 iii) rectangle 3.

Use a different colour for each set of shapes.



2

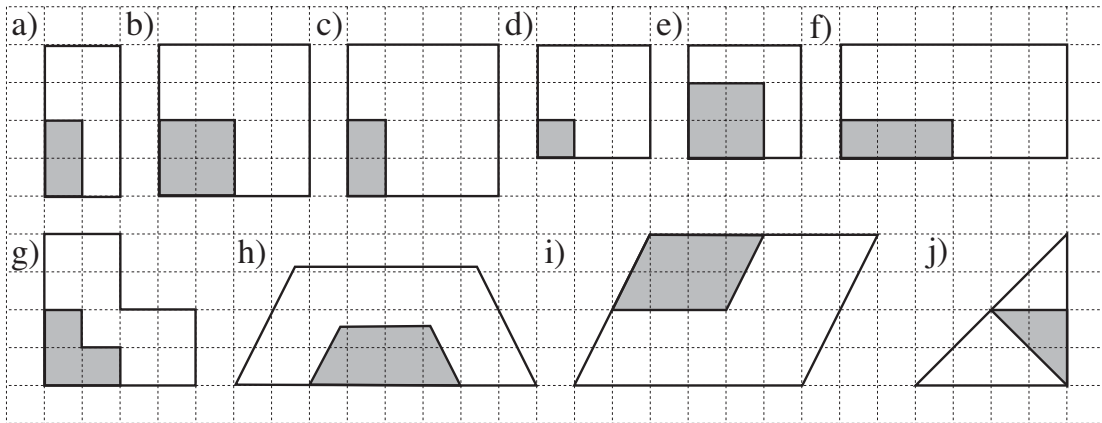
This is a plan of a garden. *Scale:* 1 cm represents 1 m in real life.



- a) In which direction does the entrance face?
- b) In real life, what is the: i) length of the garden, L =
- ii) width of the garden? W =
- c) The broken line shows *Hedgehog's* route. Draw where he goes next if he walks 9 m East, then 6.5 m North, then 4.5 m West, then 1 m North.

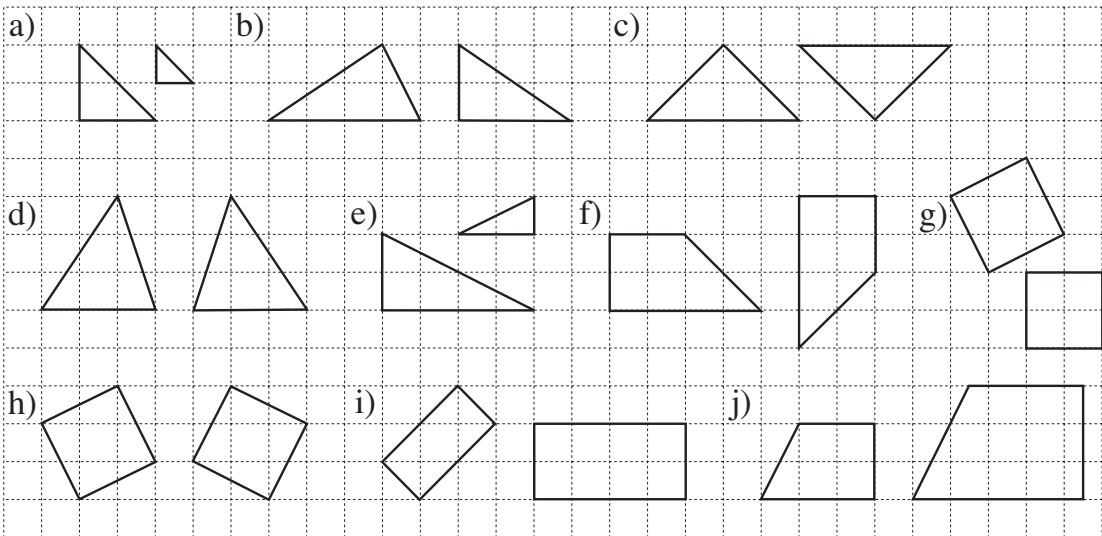
1

Colour any large shape which is **similar** to the small shaded shape inside it.



2

Colour **similar** shapes in the same colour.

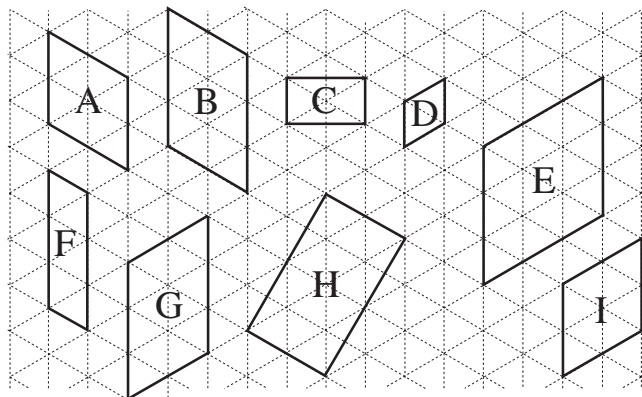


3

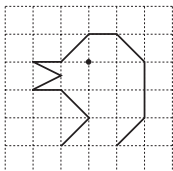
a) Write the letters of **similar** shapes below.

b) Draw over **parallel** lines in the same colour.

c) Mark **right angles** with *red* squares.



4



- Copy this bird's head in your exercise books.
- Enlarge it to 2 times and 3 times its size.

1

This picture is a smaller copy of a larger picture.
Scale: 1 mm on the copy means 1 cm on the real picture.



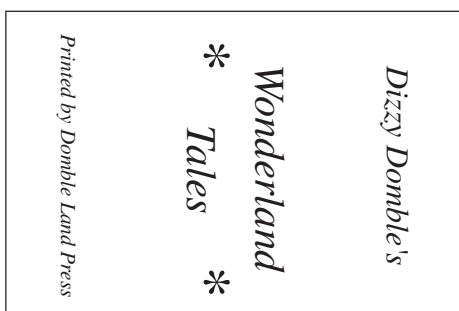
- a) By how much was the real picture reduced?

- b) How long were the sides of the real picture?
 and
- c) How long is the perimeter of this copy?

- d) What length of wood would be needed to make a frame for the real picture?

2

This is an enlarged copy of the front cover of a tiny book.

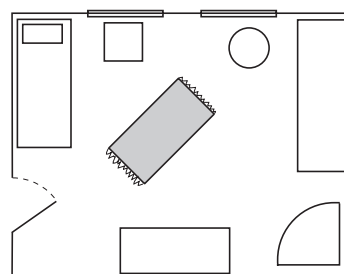


Draw the real book cover if the smaller side is 2 cm long.

What is the length of the larger side of the real book?

3

This is the ground plan of a room.
Scale: 1 mm on the plan means 10 cm in real life.

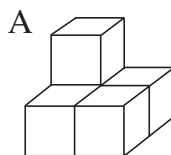


- a) In the **plan**, measure the
 - i) width of the room:
 - ii) length of the room:
- b) In **real life**:
 - i) what is the width of the door?
 - ii) what is the width of each window?
 - iii) what length of wood would be needed to make the skirting board around the bottom of the walls?

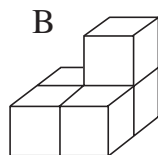


1

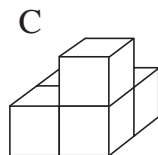
These solids have been built from unit cubes.
Join up the solids which are **mirror images** of each other.



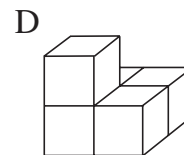
2	1
1	1



1	2
1	1



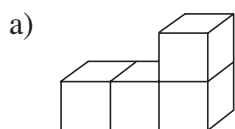
1	1
1	2



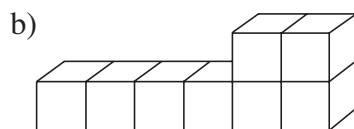
1	1
2	1

2

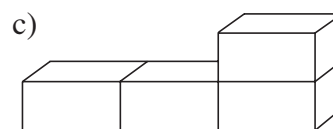
Build these solids. How many units did you use for each one?



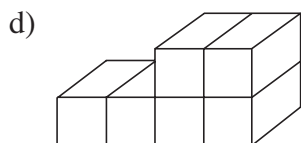
unit cubes



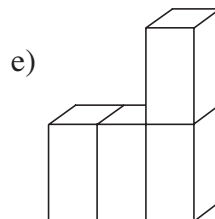
unit cubes



2-unit cuboids



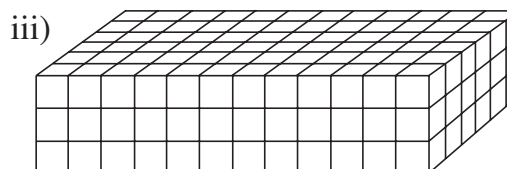
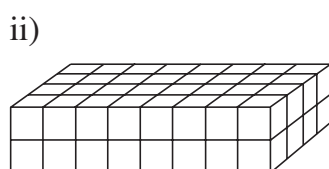
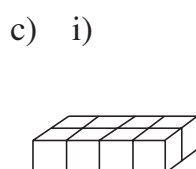
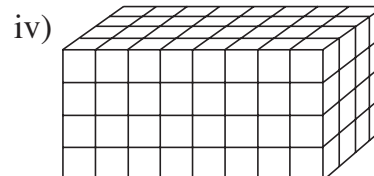
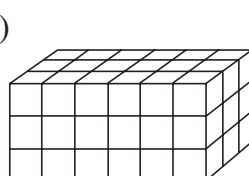
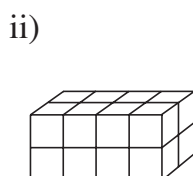
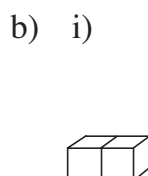
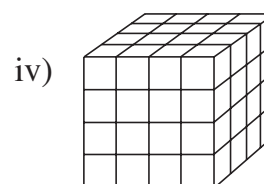
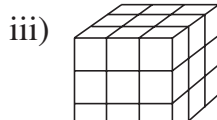
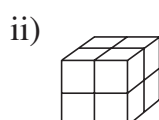
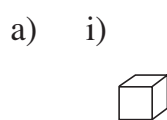
2-unit cuboids



2-unit cuboids

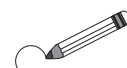
3

Write how many unit cubes have been used to build each of these **cuboids**.
Think about what is the relationship between them.



1

Draw a *red* line around the rectangles which have 1 half shaded.
 Draw a *blue* line around the rectangles which have 1 third shaded.
 Draw a *green* line around the rectangle which has 1 quarter shaded.



a) b) c) d)

e) f) g) h)

2

- a) Anna invited 5 friends to her birthday party. She cut her cake into 6 equal pieces. What part of the cake did each child get?

- b) How was the block of ice-cream divided up if each person at the table got 1 seventh of it?

- c) This is how *Mrs Mouse* cut up the cheese to give to her 8 children. Did they each get 1 eighth of the cheese?

3

Colour the parts of the shapes given.

a) 4 eighths b) 3 quarters c) 1 half d) 3 eighths e) 1 third

4

A strip of paper is 1 unit long. What is the value of each shaded part?







1 unit

a)
 b)
 c)
 d)
 e)
 f)
 g)

1


This is 1 unit. 

What part of this unit is each of these drawings?

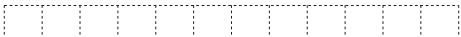
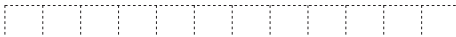
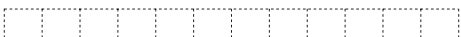
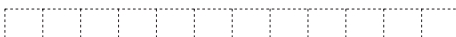
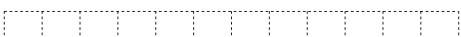
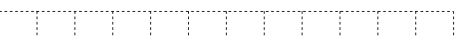
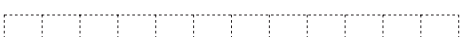

- a)  b)  c)  d)  e)  f) 

.....

2











This rectangle is 1 unit: 

Draw:

- a)  1 half b)  1 sixth
- c)  1 quarter d)  1 third
- e)  2 halves f)  1 twelfth
- g)  5 sixths h)  5 twelfths

3

A line is 1 unit long. Measure and colour over these parts of the line.

- a)  1 half  2 halves
- b)  1 third  2 thirds
- c)  1 sixth  4 sixths
- d)  1 quarter  3 quarters
- e)  1 fifth  3 fifths

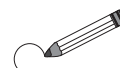
4

Which positive whole numbers can be written instead of the letters?

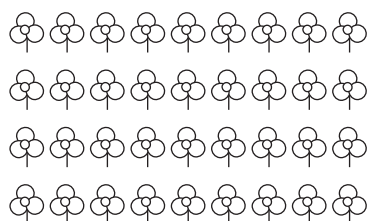
- $a \times 1 \text{ half} < 1$ $a: \dots\dots\dots$ $b \times 1 \text{ half} = 1$ $b: \dots\dots\dots$
 $c \times 1 \text{ half} > 1$ $c: \dots\dots\dots$ $d \times 1 \text{ quarter} < 1$ $d: \dots\dots\dots$
 $e \times 1 \text{ quarter} = 1$ $e: \dots\dots\dots$ $f \times 1 \text{ quarter} > 1$ $f: \dots\dots\dots$

1

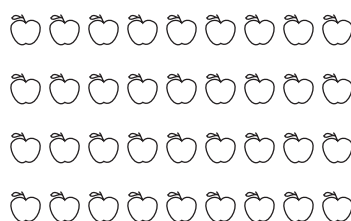
Draw a line around:



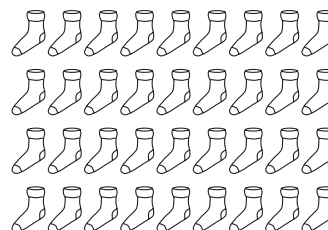
a) 1 half



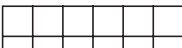
b) 1 quarter



c) 1 third



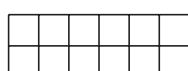
2

Fill in the missing numbers. If 1 unit is  , what are these parts?

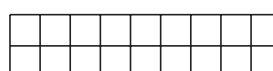
a)



half



halves

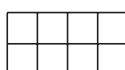


halves

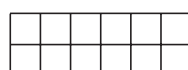
b)



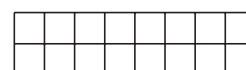
third



thirds



thirds



thirds

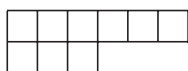
c)



quarter



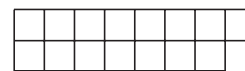
quarters



quarters



quarters



quarters

d)



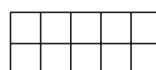
sixth



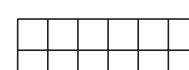
sixths



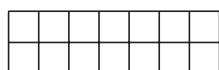
sixths



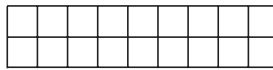
sixths



sixths



sixths




sixths

Colour:

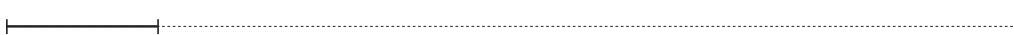
- red the shapes = 1
- green the shapes > 1

3

Draw the whole unit if this is:

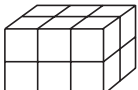
a) 
 1 half

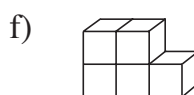
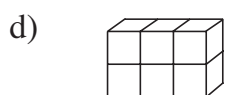
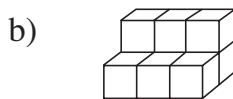
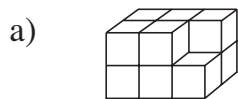
b) 
 1 quarter

c) 
 1 fifth

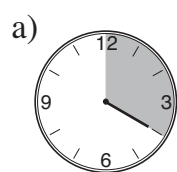
d) 
 1 third

1

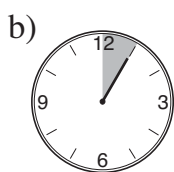
If this solid is 1 unit: , what part of a unit are these solids?

**2**

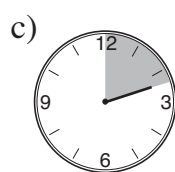
Only the minute hand is on the clock. What part of an hour does it show?



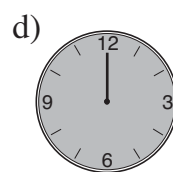
20 minutes

.....
hour

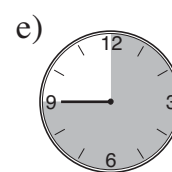
5 minutes

.....
hour

12 minutes

.....
hour

60 minutes

.....
hour

45 minutes

.....
hour**3**

Fill in the missing numbers.

a) 2 fifths + fifths = 1

b) 3 quarters + quarters = 1

c) 2 sixths + sixths = 1

d) 5 eighths + eighths = 1

e) 3 tenths + tenths = 1

f) 5 hundredths + hundredths = 1

4

Fill in the missing numbers.

a) half a metre = cm

b) half a kg = g

1 fifth of a metre = cm

1 quarter of a kg = g

1 tenth of a metre = cm

1 tenth of a kg = g

3 quarters of a metre = cm

3 quarters of a kg = g

3 fifths of a metre = cm

5 tenths of a kg = g

7 tenths of a metre = cm

2 fifths of a kg = g

11 hundredths of a metre = cm

9 hundredths of a kg = g

1

Write in the missing sign to make the statement correct. Check on the grids.

a) $349 + 572 < 727$ 199

C:

	3	4	9
+	5	7	2

b) $942 - 443 > 849$ 367

C:

2

Write as many different 3-digit numbers as you can from these numbers, using each digit only once.

a) 7, 8 and 9

b) 3, 4, 5 and 6

.....

3

Write these numbers in the correct place in the diagrams.

0, 4, 13, 30, 72, 95, 100, 321, 679, 1000, 1006, 1027, 2000

a)

Even	Odd

b)

Whole tens	Not whole tens

c)

3-digit	Not 3-digit

d)

Whole hundreds	Not whole hundreds

4

Which numbers can be written instead of the shapes?

a) $440 - 10 \times \star = 315 + 45$

b) $726 - 571 + \frown > 161$

\star :

\frown :

1

Tick the operations which answer the problem and then do the calculations.

Lee had a £10 note and 22 p. He spent £2.56, then his sister gave him 35 p.
How much money does Lee have now?

- In pence: $1022 + 256 - 35 = \dots\dots\dots$
 $1022 - 256 - 35 = \dots\dots\dots$
 $1022 - 256 + 35 = \dots\dots\dots$
 $1022 + 256 + 35 = \dots\dots\dots$
 $1022 - (256 - 35) = \dots\dots\dots$

2

Make a plan, do the calculation and write the answer in a sentence.

Hetty Hedgehog had 347 apple pips. She got 172 orange pips from her Mum.
Then she swapped 268 apple pips for grape pips with a friend.

How many pips does *Hetty Hedgehog* have now?



Plan:

C:

Answer:

3

- a) A 2 litre bottle was full of water. We poured out 35 cl of water.
How much water is left in the bottle?
.....
- b) A 2 litre bottle contained 35 cl of water. We poured in another 35 cl of
water. How much water is in the bottle now?
.....
- c) A 2 litre bottle contained 36 cl of water. We poured out 10 cl 9 ml of water.
How much water is left in the bottle?
.....

4

Last April, it rained on 3 fifths of the days.

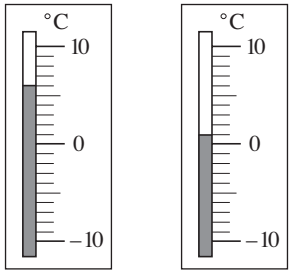


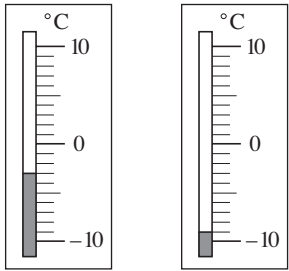
- a) On how many days did it rain?
.....
- b) Did it rain on more than half the days?
- c) What part of April was dry?

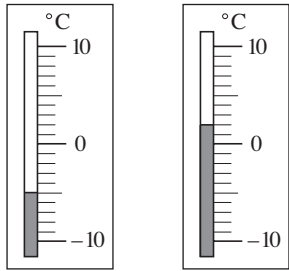
		April				
Sun		1	8	15	22	29
Mon		2	9	16	23	30
Tue		3	10	17	24	
Wed		4	11	18	25	
Thu		5	12	19	26	
Fri		6	13	20	27	
Sat		7	14	21	28	

1

Write the temperature below the thermometers. Write in the missing sign.

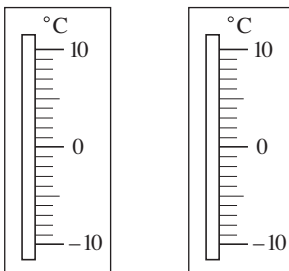
a)  °C °C

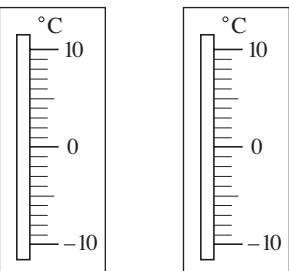
b)  °C °C

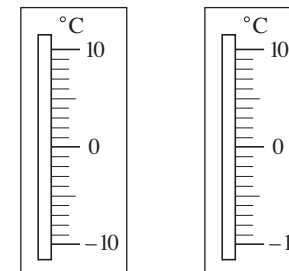
c)  °C °C

2

Mark the temperatures on the thermometers. Which is higher and by how much?

a)  °C °C

b)  °C °C

c)  °C °C

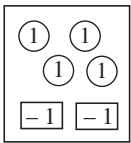
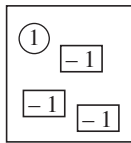
3

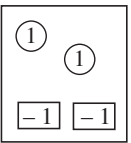
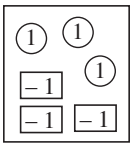
How much does each child have?

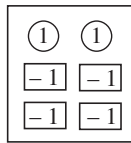
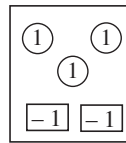
① means £1 in cash

Who has more? Write in the missing sign.

-1 means £1 in debt

a) Ann  Paul 

b) Ben  Rose 

c) Colin  Sonia 

4

Complete the drawings to make the statements correct.

a) Alice's balance is - £6: ① ① -1 -1 -1 -1 -1 -1

b) Barry's balance is £3: ① ① ① -1 -1

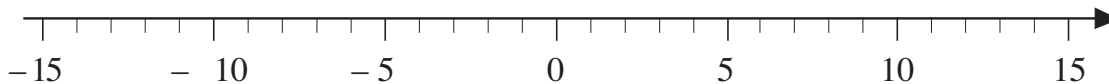
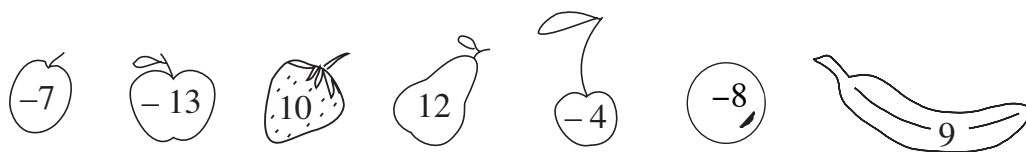
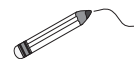
c) Carol's balance is £0: ① ① ① ① -1 -1 -1 -1

d) Dan's balance is - £4: ① ① ①

e) Eve's balance is £5: ① ① ① ① ① ①

1

Join up the fruit to the corresponding point on the number line.



2

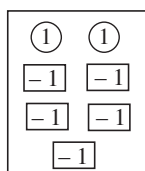
How much money does each child really have?

① means £1 in cash

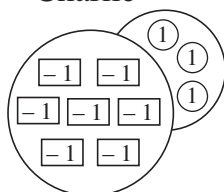
Write the amounts in increasing order.

[-1] means £1 in debt

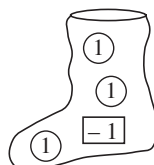
Lisa



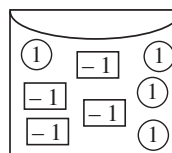
Charlie



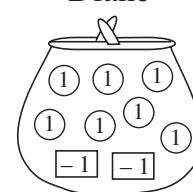
Billy



Clare



Diane



.....

.....

3

Draw two different ways of showing these amounts. Use ① and [-1]

a) $-\text{£}3 =$ $=$

b) $\text{£}3 =$ $=$

c) $\text{£}0 =$ $=$

4

Wendy went to Austria for a winter holiday. One day, she decided to note down the outside temperature every hour. She made this table to show her data.

Time (hours)	7	8	9	10	11	12	13	14	15	16	17	18	19
Temperature (°C)	-9	-10	-6	-2	0	3	6	8	9	7	4	-1	-3

a) When was it: i) coldest ii) warmest?

b) Write the temperatures in increasing order.

.....

1

How much is in the picture? Fill in the missing numbers.

.....

What is 30×50 ?

2

Write additions and multiplications about the pictures.

a) $\textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1}$ b) $\textcircled{10} \textcircled{10} \textcircled{10} \textcircled{10}$ c) $\textcircled{100} \textcircled{100} \textcircled{100} \textcircled{100}$
 $\textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1}$ $\textcircled{10} \textcircled{10} \textcircled{10} \textcircled{10}$ $\textcircled{100} \textcircled{100} \textcircled{100} \textcircled{100}$
 $\textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1}$ $\textcircled{10} \textcircled{10} \textcircled{10} \textcircled{10}$ $\textcircled{100} \textcircled{100} \textcircled{100} \textcircled{100}$

.....

3

Three brothers were each left 257 dollars in their American uncle's will. How much did their uncle leave them in total? Fill in the missing numbers.

A: $\boxed{100} \boxed{100} \quad \boxed{50} \quad \textcircled{5} \textcircled{2}$
 B: $\boxed{100} \boxed{100} \quad \boxed{50} \quad \textcircled{5} \textcircled{2}$
 C: $\boxed{100} \boxed{100} \quad \boxed{50} \quad \textcircled{5} \textcircled{2}$

$3 \times (\boxed{} + \boxed{} + \boxed{})$

$3 \times \boxed{} + 3 \times \boxed{} + 3 \times \boxed{} = \dots\dots\dots$

$\boxed{} \quad \boxed{} \quad \boxed{}$

4

Write the results. Underline the operation which is impossible.

$3 \times 0 =$ $30 \div 3 =$ $8 \times 3 =$ $16 \div 2 =$ $5 \times 3 =$
 $4 \times 5 =$ $15 \div 5 =$ $8 \times 6 =$ $24 \div 4 =$ $20 \div 5 =$
 $6 \times 2 =$ $14 \div 2 =$ $9 \times 8 =$ $10 \div 0 =$ $6 \times 4 =$
 $10 \times 9 =$ $20 \div 2 =$ $4 \times 3 =$ $24 \div 8 =$ $54 \div 9 =$

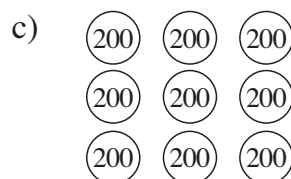
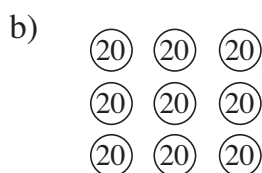
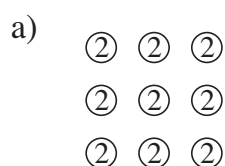
1

Fill in the missing numbers.

- a) $4 \times \square = 12$ $\square \div 4 = 7$ $\square \times 5 = 40$ $45 \div \square = 9$
 b) $3 \times \square = 24$ $\square \div 6 = 3$ $\square \times 7 = 0$ $28 \div \square = 4$
 c) $5 \times \square = 35$ $\square \div 3 = 5$ $\square \times 8 = 16$ $6 \div \square = 3$
 d) $6 \times \square = 48$ $\square \div 5 = 6$ $\square \times 9 = 9$ $2 \div \square = 2$
 e) $9 \times \square = 72$ $\square \div 8 = 4$ $\square \times 6 = 54$ $63 \div \square = 7$

2

Write additions and multiplications about the pictures.



.....

3

Fill in the missing products. Note how they change.

- a) $5 \times 3 =$ $50 \times 3 =$ $5 \times 30 =$ $5 \times 300 =$ $50 \times 30 =$
 b) $8 \times 2 =$ $80 \times 2 =$ $8 \times 20 =$ $8 \times 200 =$ $80 \times 20 =$
 c) $3 \times 3 =$ $30 \times 3 =$ $3 \times 30 =$ $3 \times 300 =$ $30 \times 30 =$
 d) $4 \times 5 =$ $40 \times 5 =$ $4 \times 50 =$ $4 \times 500 =$ $40 \times 50 =$

4

How many pennies does each person have? Calculate in different ways.

John	Katy	Lorna	Michael
$\textcircled{10}$ $\textcircled{2}$	$\textcircled{100}$ $\textcircled{20}$	$\textcircled{50}$ $\textcircled{2}$ $\textcircled{1}$	$\textcircled{500}$ $\textcircled{20}$ $\textcircled{10}$
$\textcircled{10}$ $\textcircled{2}$	$\textcircled{100}$ $\textcircled{20}$	$\textcircled{50}$ $\textcircled{2}$ $\textcircled{1}$	$\textcircled{500}$ $\textcircled{20}$ $\textcircled{10}$
$\textcircled{10}$ $\textcircled{2}$	$\textcircled{100}$ $\textcircled{20}$	$\textcircled{50}$ $\textcircled{2}$ $\textcircled{1}$	$\textcircled{500}$ $\textcircled{20}$ $\textcircled{10}$
$\textcircled{10}$ $\textcircled{2}$	$\textcircled{100}$ $\textcircled{20}$		

John:

Katy:

Lorna:

Michael:

1

Fill in the missing products.

$$\begin{array}{lll} \text{a)} & 6 \times 10 = \square & \text{b)} & 5 \times 10 = \square & \text{c)} & 30 \times 3 = \square \\ & 6 \times 4 = \square & & 5 \times 7 = \square & & 5 \times 3 = \square \\ & 6 \times 14 = \square & & 5 \times 17 = \square & & 35 \times 3 = \square \end{array}$$

2

Fill in the missing products.

$$\begin{array}{lll} \text{a)} & 3 \times 24 = \square & \text{b)} & 6 \times 12 = \square & \text{c)} & 3 \times 12 = \square \\ & 3 \times 240 = \square & & 6 \times 120 = \square & & 3 \times 120 = \square \end{array}$$

3Estimate the product (P). Is the estimate more or less than the exact product?

$$\begin{array}{ll} \text{a)} & 227 \times 4 \\ & \text{i)} \text{ Rounding } 227 \text{ to the nearest hundred:} \\ & \quad P \approx \square \times 4 = \square \quad P \bigcirc \square \\ & \quad \text{ii)} \text{ Rounding } 227 \text{ to the nearest ten:} \\ & \quad P \approx \square \times 4 = \square \quad P \bigcirc \square \\ \text{b)} & 468 \times 6 \\ & \quad \text{i)} \text{ Rounding } 468 \text{ to the nearest hundred:} \\ & \quad P \approx \square \times 6 = \square \quad P \bigcirc \square \\ & \quad \text{ii)} \text{ Rounding } 468 \text{ to the nearest ten:} \\ & \quad P \approx \square \times 6 = \square \quad P \bigcirc \square \end{array}$$

4

Estimate the product by rounding to the nearest ten.

$$\begin{array}{ll} \text{a)} & 162 \times 5 \approx \square \times 5 = \square \quad 162 \times 5 \bigcirc \square \\ \text{b)} & 177 \times 4 \approx \square \times 4 = \square \quad 177 \times 4 \bigcirc \square \\ \text{c)} & 315 \times 3 \approx \square \times 3 = \square \quad 315 \times 3 \bigcirc \square \\ \text{d)} & 231 \times 4 \approx \square \times 4 = \square \quad 231 \times 4 \bigcirc \square \end{array}$$

5

In your exercise book, estimate, calculate and check the answer. Write it below.

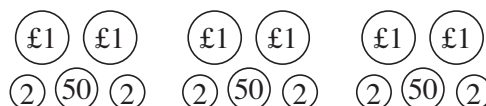
Grandpa gave £1.35 to each of his 4 grandchildren. How much did he give them altogether?

.....

1

Write a plan, estimate the answer to the nearest 10 p, then do the calculation.

Ribbon costs £2.54 per metre.
How much do 3 metres cost?



Plan:

Estimate:

Calculation:

Answer:

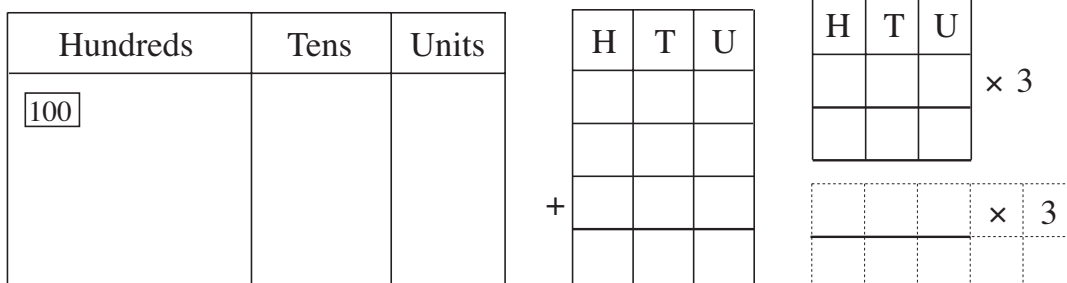
2

Estimate the result in your head first, then do the calculation.

- a) $32 \times 30 =$ $24 \times 20 =$ $16 \times 50 =$ $38 \times 20 =$
- b) $14 \times 60 =$ $17 \times 50 =$ $13 \times 70 =$ $21 \times 40 =$
- c) $56 \times 30 =$ $40 \times 37 =$ $89 \times 20 =$ $50 \times 34 =$

3

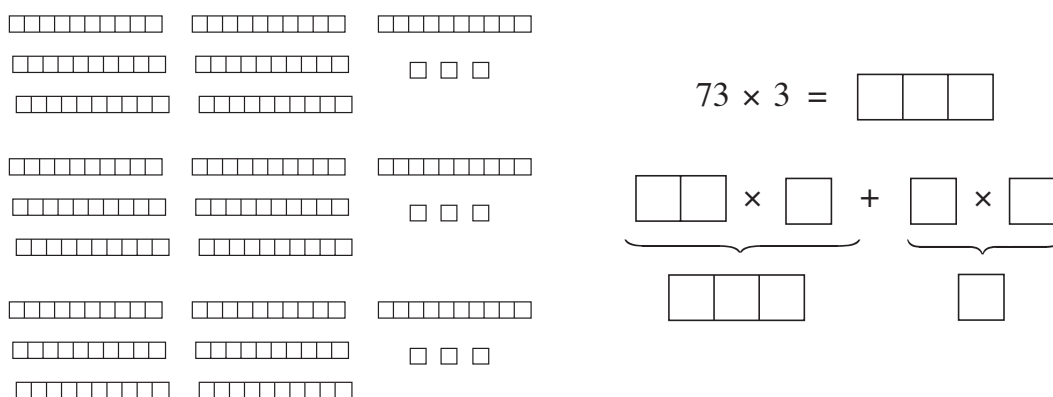
Three classes have each raised £321 for charity. How much have they raised altogether? Estimate in your head, then complete the drawing and calculations.



Answer:

4

Think about what the diagram means. Fill in the missing numbers.



1

Fill in the missing products. Note how they change.

- a) $60 \times 3 = \square$ $60 \times 6 = \square$ $60 \times 9 = \square$ $60 \times 12 = \square$
 b) $40 \times 5 = \square$ $40 \times 10 = \square$ $40 \times 15 = \square$ $40 \times 25 = \square$
 c) $4 \times 2 = \square$ $40 \times 2 = \square$ $400 \times 2 = \square$ $40 \times 20 = \square$
 d) $3 \times 5 = \square$ $30 \times 5 = \square$ $300 \times 5 = \square$ $30 \times 50 = \square$
 e) $4 \times 24 = \square$ $8 \times 12 = \square$ $16 \times 6 = \square$ $2 \times 48 = \square$
 $4 \times 240 = \square$ $8 \times 120 = \square$ $16 \times 60 = \square$ $2 \times 480 = \square$

2

Fill in the missing products.

- a) $5 \times 100 = \square$ b) $4 \times 3 = \square$ c) $7 \times 8 = \square$
 $5 \times 20 = \square$ $30 \times 3 = \square$ $7 \times 30 = \square$
 $5 \times 1 = \square$ $200 \times 3 = \square$ $7 \times 100 = \square$
 $5 \times 121 = \square$ $234 \times 3 = \square$ $7 \times 138 = \square$

3

Estimate first, then calculate using addition and multiplication.

- a)

	2	0	2
	2	0	2
	2	0	2
+	2	0	2

 E:

--	--	--	--

 b)

	3	0	2
	3	0	2
+	3	0	2

 E:

--	--	--	--

	2	0	2	×	

	3	0	2	×	
- c)

	4	2	3
+	4	2	3

 E:

--	--	--	--

 d)

	2	0	1
	2	0	1
	2	0	1
+	2	0	1

 E:

--	--	--	--

	4	2	3	×	

	2	0	1	×	

4

- a) Kate bought 3 chocolate bars at 82 pence each.
How much did she pay altogether?

Answer:

Th	H	T	U		
		8	2	×	

- b) A brick weighs 4 kg. How heavy are 412 bricks?

Answer:

Th	H	T	U		
				×	

1

Estimate first, then complete the addition and multiplication.

a)

	7	1
	7	1
	7	1
	7	1
	7	1
+	7	1

E: _____

b) *E:* _____

2	0	1	
2	0	1	
2	0	1	
+	2	0	1

2	0	1	×	

c) *E:* _____

	5	3	4
+	5	3	4

	5	3	4	×	

d) *E:* _____

	2	1	1
	2	1	1
	2	1	1
	2	1	1
+	2	1	1

2	1	1	×	

2

Estimate first, then do the multiplications.

a) *E:*

--	--	--

E:

--	--	--

E:

--	--	--

4	2	2	×	2

4	2	2	×	3

4	2	2	×	4

b) *E:*

--	--	--

E:

--	--	--

E:

--	--	--

3	2	1	×	3

4	2	1	×	3

6	2	1	×	3

c) *E:*

--	--	--

E:

--	--	--

E:


--	--	--

	8	4	×	2

	8	0	4	×	2

	4	0	2	×	4

3

a) Each flower on an apple tree has 5 petals.  How many petals are on a branch with 243 flowers?

Answer:

Th	H	T	U		
				×	

b) Workmen laid 106 m of pavement a day from Monday to Friday. How many metres did they lay in a week?

Answer:

Th	H	T	U		
				×	

1

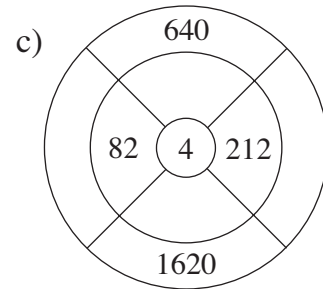
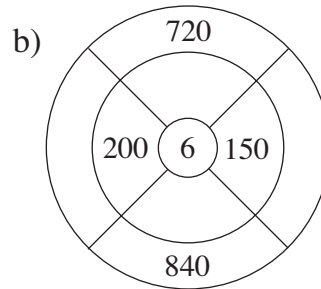
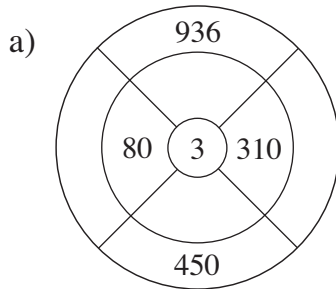
Complete the table.

(Do the calculations in your exercise books if you need to.)

a	b	c	$a \times c$	$a \times b$	$b \times c$
400	5	3			
450	6	4			

2

Fill in the missing numbers.

**3**

Calculate the products.

a)

	2	6	×	5

b)

	4	4	2	×	2

c)

	2	0	7	×	9

	5	2	×	6

	2	0	8	×	7

	1	1	6	×	6

	4	4	×	4

	4	0	7	×	3

	2	7	5	×	1

	1	0	6	×	9

	3	0	5	×	0

	3	0	7	×	6

4

Fill in the missing factors.

a)

			×	2
8	2	6		

			×	3
9	6	3		

2	3	4	×	
4	6	8		

1	0	6	×	
6	3	6		

b)

			×	3
6	1	2		

			×	4
8	6	4		

1	3	5	×	
2	7	0		

2	1	7	×	
8	6	8		

c)

			×	4
6	0	8		

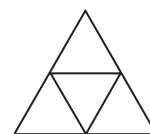
			×	5
8	5	5		

1	5	1	×	
9	0	6		

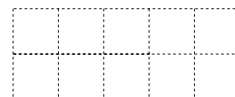
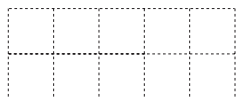
1	8	3	×	
5	4	9		

1

- a) How many triangles can you see in this diagram?
 b) How many triangles would you see in



- i) 51 of these diagrams ii) 102 of these diagrams?



Answer:

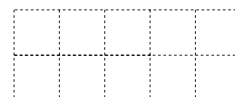
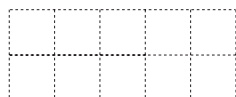
Answer:

2

- a) How many circles make this teddy bear's head?
 b) How many circles would you need to make



- i) 72 teddy bear heads ii) 105 teddy bear heads?



Answer:

Answer:

3

There are 24 hours in 1 day. How many hours are there in

- a) 1 week  b) 4 weeks? 

1 week = days = hrs 4 weeks = days = hrs

4

Is it possible to answer the questions with the data given? Colour Yes or No

- a) A car goes at a steady speed and covers 125 m in 1 minute.
 What distance does it cover in 8 minutes? Yes No
- b) Jenny weighed herself and her weight was 29 kg.
 What is the total weight of 9 children? Yes No
- c) Uncle Andrew put up fence posts an equal distance apart.
 He used 9 fence posts. How long was the fence? Yes No
- d) A centipede has 478 legs. How many legs do 3 centipedes have? Yes No

5

A bee flies steadily at 217 mm per second.
 Complete the table.



Time (seconds)	1	2	5	0	4	10
Distance (mm)	217					