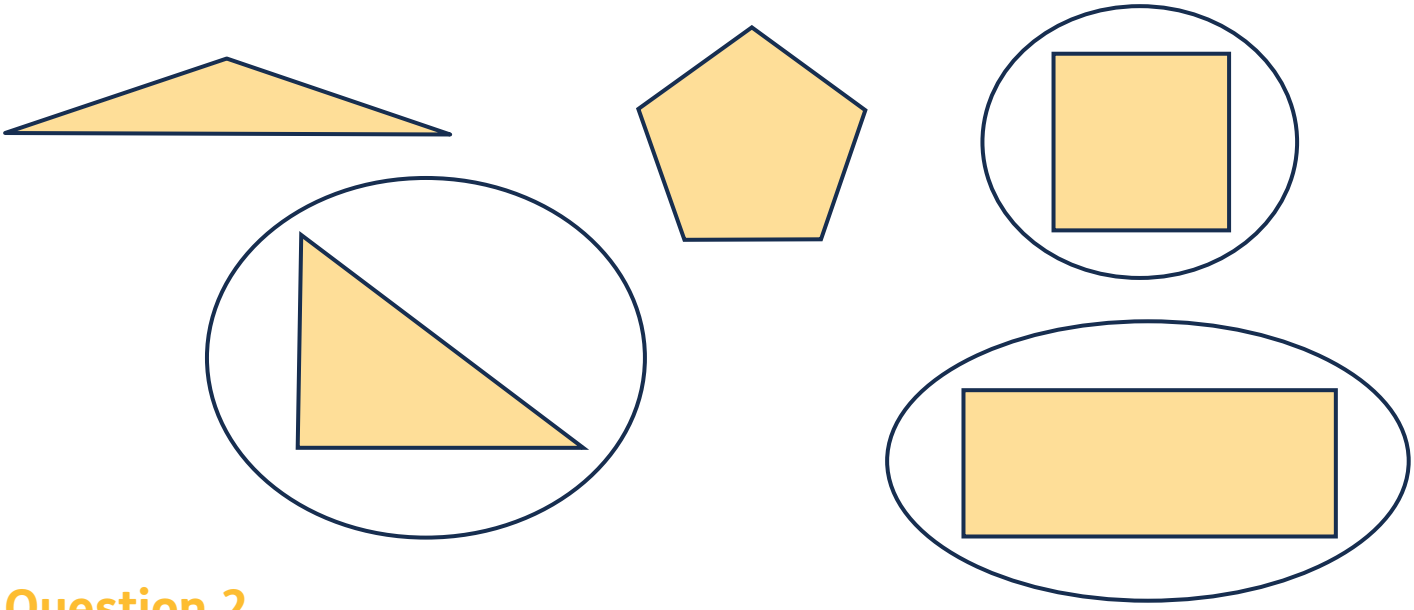
Angles and shapes

Answer sheet

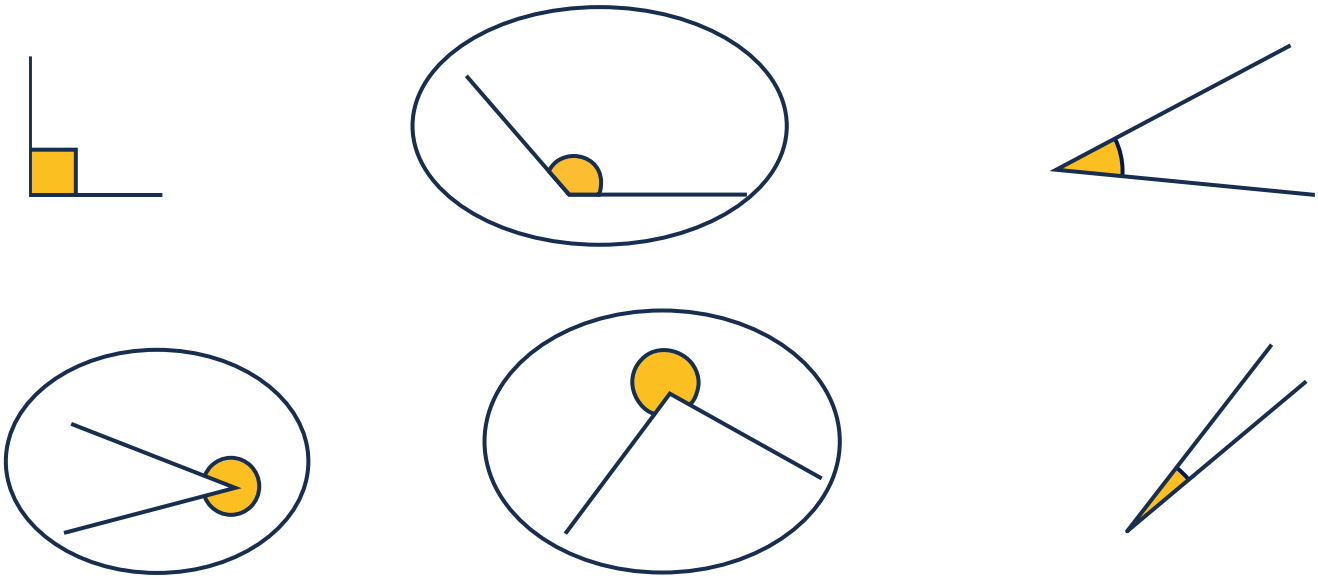
Question 1

Here are some 2D shapes. Circle all the shapes that have right angles.



Question 2

Here are some angles. Circle all the angles that are **greater** than a right angle.



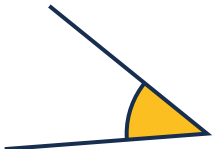
Angles and shapes

Answer sheet

MyMaths

Question 3

Here are some angles. Some are acute angles, some are right angles, some are obtuse angles. Can you label each one?



acute angle

right angle

obtuse angle

acute angle

acute angle

obtuse angle

right angle

obtuse angle

Angles and shapes

Answer sheet

MyMaths

Question 4

a Look at the letters below. Circle all the letters that have perpendicular lines.

b Which of these letters has perpendicular lines **and** parallel lines?

F, H

c Can you think of two more letters that have parallel lines?

Any two of: E, M, N, U, Z

Angles and shapes

Answer sheet

MyMaths

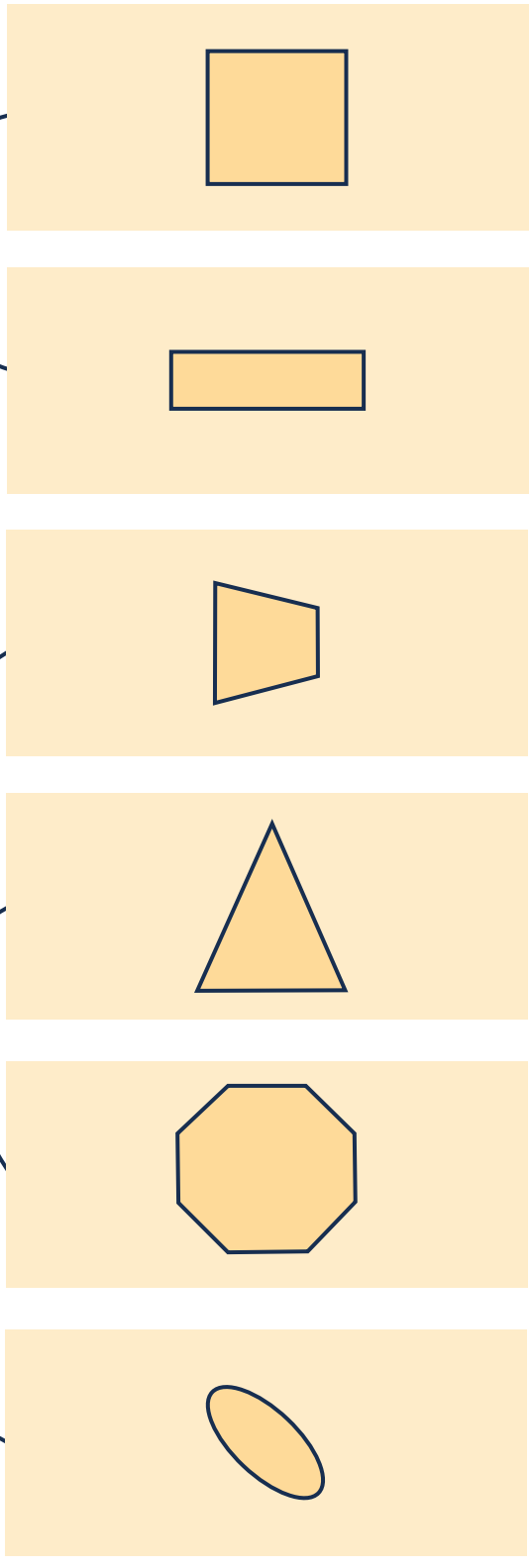
Question 6

Can you find the shapes that fit each description?

The shape has two vertical and two horizontal lines

The shape has two vertical lines, but no horizontal lines

The shape has no parallel lines



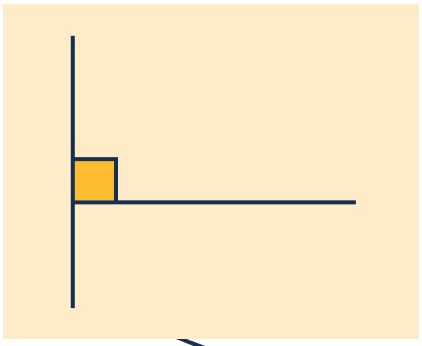
Angles and shapes

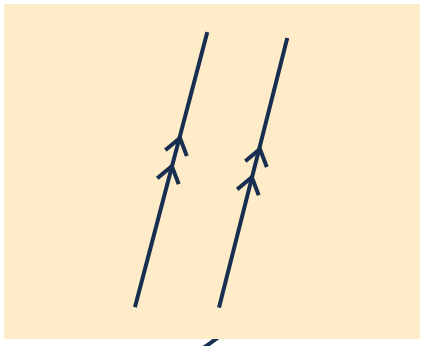
Answer sheet

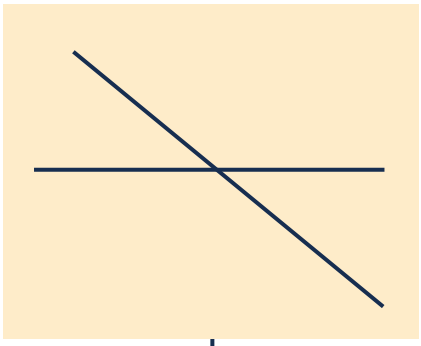
MyMaths

Question 7

Here are some pairs of lines. Can you match each pair to a sentence?







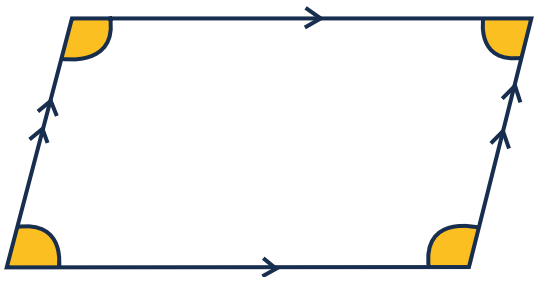
The lines are parallel

The lines are perpendicular

There is a horizontal line but no vertical line

Question 8

Look at the shape. Tick which **two** sentences are true.



- [ ] The shape has vertical lines.
- [x] The shape has horizontal lines.
- [x] The shape has parallel lines.
- [ ] The shape has perpendicular lines.

Money

Answer sheet

MyMaths

Question 1

Complete the gaps in this table showing money amounts.

125p	£1.25
200 p	£2.00
73p	£ 0.73
305 p	£3.05
407p	£ 4.07
61 p	£0.61
1022p	£ 10.22

Question 2

What coins could you use to make the following amounts? Draw your answers.

a £2.75

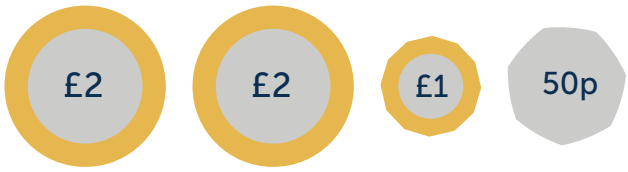
Any combination that makes £2.75. e.g.

b 33p

Any combination that makes 33p. e.g.

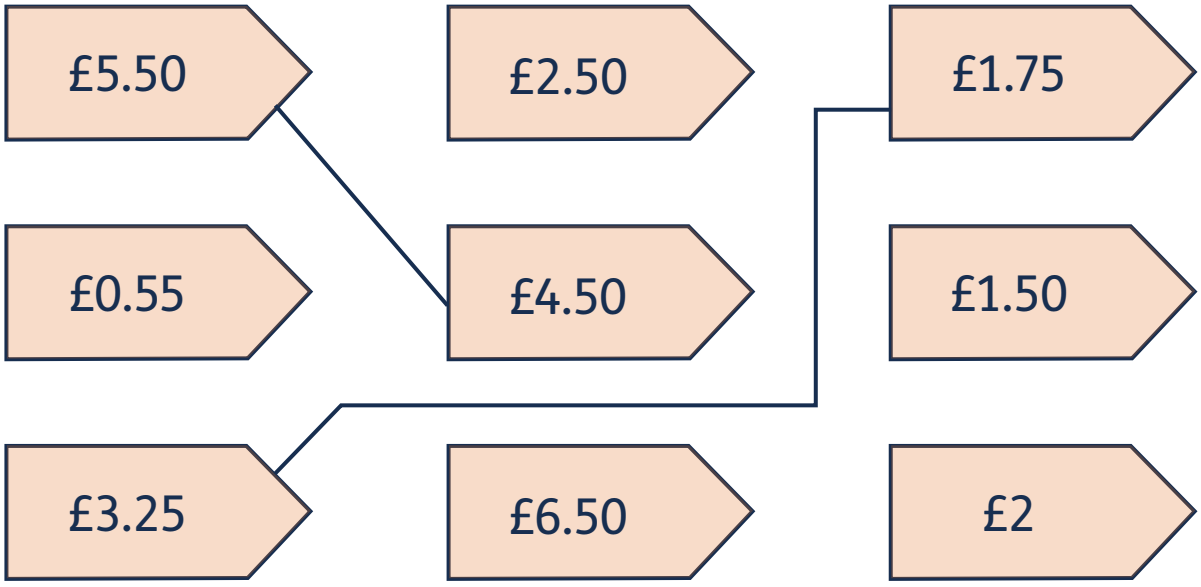
c £5.50

Any combination that makes £5.50, e.g.



Question 3

Match the two price tags that add together to make £5 and the two price tags that add together to make £10.



Money

Answer sheet

MyMaths

Question 4

Anya wants to buy a cake. The cake costs £1.

Draw five coins that Anya could use to make exactly £1. You can use the same coin more than once.

Any combination of five coins that add to £1, e.g.

Can you think of another combination of five coins that Anya could have used?

A different combination of five coins that add to £1, and not exactly the same coins in a new order, e.g.

Question 5

Write down these prices in order from largest to smallest.

£99.00 > 9,090p > £9.99 > £0.99

Money

Answer sheet

MyMaths

Question 6

Jack has £3.25. Padma has 318p. You have these coins:

a How much money do you have?

£3.21

b Who has the most money? Who has the least money?

Jack has the most, Padma has least.

Question 7

Esther has £20. Round to the nearest pound to estimate whether she has enough money to buy one of each toy at the toy stall.

- Yo-yo: £1.02
- Juggling clubs: £3.89
- Flying disc: £5.66
- Bouncy ball: £0.90
- Teddy bear: £7.32

Round up and down to get

£1 + £4 + £6 + £1 +£7

Total = £19

Answer: yes, Esther has enough money

Money

Answer sheet

MyMaths

Question 8

Amir goes shopping with £15. He buys a box of eggs for £2.89, a carton of orange juice for £1.23 and a punnet of strawberries for £3.70. Round to the nearest pound to estimate how much money Amir has left.

Round up and down to get £3 + £1 + £4

Total = £8

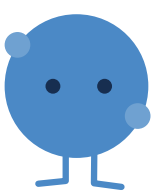
£15 – £8 = £7

Answer: Amir has approximately £7 left

Question 9

Can you solve these money problems?

a



A big bag of apples cost £5.75. I pay for them with £10. How much money will I get back?

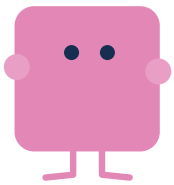
£10.00 – £5.75 = £4.25

Money

Answer sheet

MyMaths

b



I have £3.20 and my friend Leah has £5. Leah gives me 90p. How much money do we both have now?

£3.20 + £0.90 = £4.10

£5.00 - £0.90 = £4.10

We both have £4.10

c

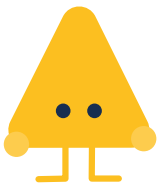
A book of 6 stamps costs £3.60. How many stamps can I buy with £14?

£3.60 x 4 = £14.40

£3.60 x 3 = £10.80

You can buy 3 books of stamps. Each book contains 6 stamps, so you can buy 18 stamps.

d



I want to share £2.50 with my five friends. How much does everyone get?

£2.50 ÷ 5 = £0.50

Or 50p each

Decimals and geometry

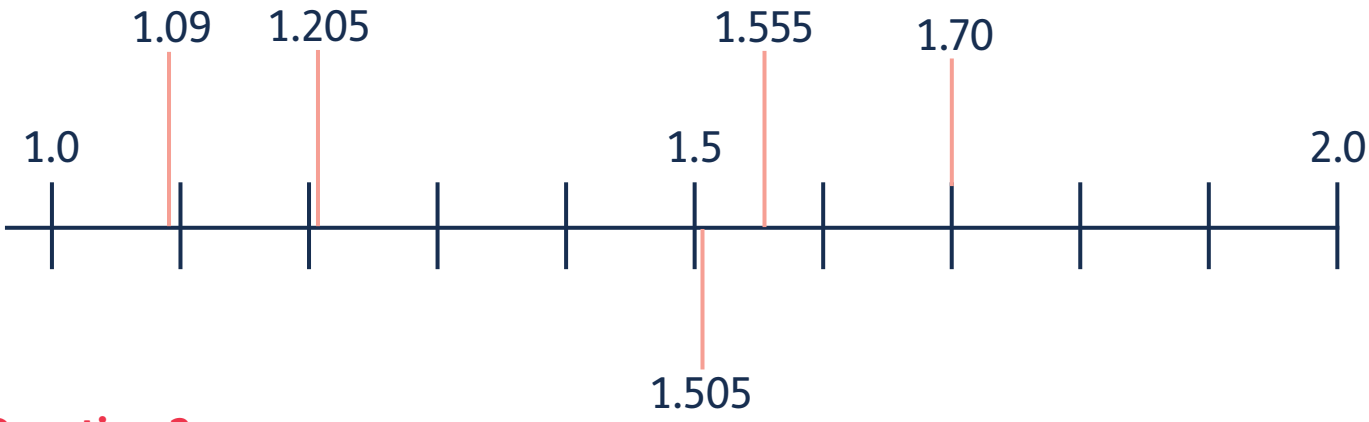
Answer sheet

MyMaths

Question 1

Can you put these numbers in order approximately where they would appear on the number line?

1.70 1.09 1.555 1.505 1.205



Question 2

Can you complete these subtraction calculations?

a 15.86 − 13.25 = 2.61

	T	O	•	t	h
	1	5	•	8	6
−	1	3	•	2	5
		2	•	6	1

b 2.45 − 1.82 = 0.63

	T	O	•	t	h
		$^{1}\not{2}$	•	$^{1}4$	5
−		1	•	8	2
		0	•	6	3

For further practice, log in to **www.mymaths.co.uk** to access our WR Summer term booster pack

Decimals and geometry

Answer sheet

c 9.05 – 4.76 = 4.29

	T	O	•	t	h
		$^{8}\cancel{9}$	•	$^{9}\cancel{0}^{1}$	$^{1}5$
–		4	•	7	6
		4	•	2	9

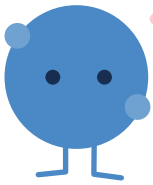
d 22.32 – 17.79 = 4.53

	T	O	•	t	h
	$^{1}\cancel{2}$	$^{11}\cancel{2}$	•	$^{12}\cancel{3}$	$^{1}2$
–	1	7	•	7	9
		4	•	5	3

Question 3

I want to take 0.012 from 1.2. Can you show me how to lay it out? What answer should I get?

	T	O	•	t	h	th
		$^{0}\cancel{1}$	•	$^{1}\cancel{2}$	$^{9}\cancel{0}^{1}$	$^{1}0$
–		0	•	0	1	2
		0	•	1	8	8



I want to do the same calculation without laying it out. Can you think of another way to do it?

0.012 = 0.01 and 0.002

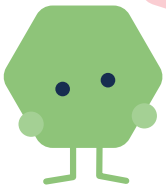
1.2 – 0.01 = 1.19

1.19 – 0.002 = 1.188

Decimals and geometry

Answer sheet

Question 4



In the school race, Jolie says she beat Mia's time by 0.078 seconds. Mia's time was 13.15s. What was Jolie's time?

	T	O	•	t	h	th
	1	3	•	$^{0}\cancel{1}$	$^{14}\cancel{5}$	$^{1}0$
−	0	0	•	0	7	8
	1	3	•	0	7	2

Question 5

Work out these subtractions.

a 0.535 − 0.25 = 0.285

	O	•	t	h	th
	0	•	$^{4}\cancel{5}$	$^{1}3$	5
−	0	•	2	5	0
	0	•	2	8	5

b 7.19 − 2.347 = 4.843

	O	•	t	h	th
	$^{6}\cancel{7}$	•	$^{1}1$	$^{8}\cancel{9}$	$^{1}0$
−	2	•	3	4	7
	4	•	8	4	3

Decimals and geometry

Answer sheet

c 1.34 − 0.162 = 1.178

d 8.38 − 2.347 = 6.033

	O	•	t	h	th
	1	•	$^{2}\cancel{3}$	$^{13}\cancel{4}$	$^{1}0$
−	0	•	1	6	2
	1	•	1	7	8

	O	•	t	h	th
	8	•	3	$^{7}\cancel{8}$	$^{1}0$
−	2	•	3	4	7
	6	•	0	3	3

Question 6

Work out these multiplication calculations.

a 6.1 × 10 = 61

b 3.2 × 100 = 320

c 2.55 × 10 = 25.5

d 1.57 × 100 = 157

e 8.3 × 10 = 83

f 0.83 × 1,000 = 830

g 0.12 × 100 = 12

h 0.02 × 1,000 = 20

Decimals and geometry

Answer sheet

Question 7

Amir's mum has £1,600 in a bank account. She says that's 1,000 times more than Amir has in his pocket. How much money does Amir have in his pocket?

1,600 ÷ 1,000 = 1.6

Amir has £1.60

Question 8

Work out these division calculations.

a 6 ÷ 10 =

H	T	O	•	t	h	th
		0	•	6		

b 320 ÷ 100 =

H	T	O	•	t	h	th
		3	•	2	0	

c 55 ÷ 10 =

H	T	O	•	t	h	th
		5	•	5		

d 31 ÷ 100 =

H	T	O	•	t	h	th
		0	•	3	1	

Decimals and geometry

Answer sheet

MyMaths

e $7.2 \div 10 =$

H	T	O	•	t	h	th
		0	•	7	2	

f $978 \div 1{,}000 =$

H	T	O	•	t	h	th
		0	•	9	7	8

g $230 \div 100 =$

H	T	O	•	t	h	th
		2	•	3	0	

h $12 \div 1{,}000 =$

H	T	O	•	t	h	th
		0	•	0	1	2

Question 9

Circle which is bigger. What is the answer to the greater calculation?

a	$1570 \div 100$	or	1.57×100	157
b	$0.05 \times 1{,}000$	or	$50 \div 10$	50
c	$2.3 \div 10$	or	0.023×100	2.3
d	$1234 \div 100$	or	12.34×10	123.4

Decimals and geometry

Answer sheet

MyMaths

Question 10

Fill in the blanks to complete these number sentences.

a 156 ÷ 100 = 1.56

b 17 ÷ 1,000 = 0.017

c 2038 ÷ 100 = 20.38

d 23 ÷ 10 = 2.3

e 1245 ÷ 1,000 = 1.245

f 1024 ÷ 10 = 102.4

g 1.7 ÷ 10 = 0.17

h 56 ÷ 1,000 = 0.056

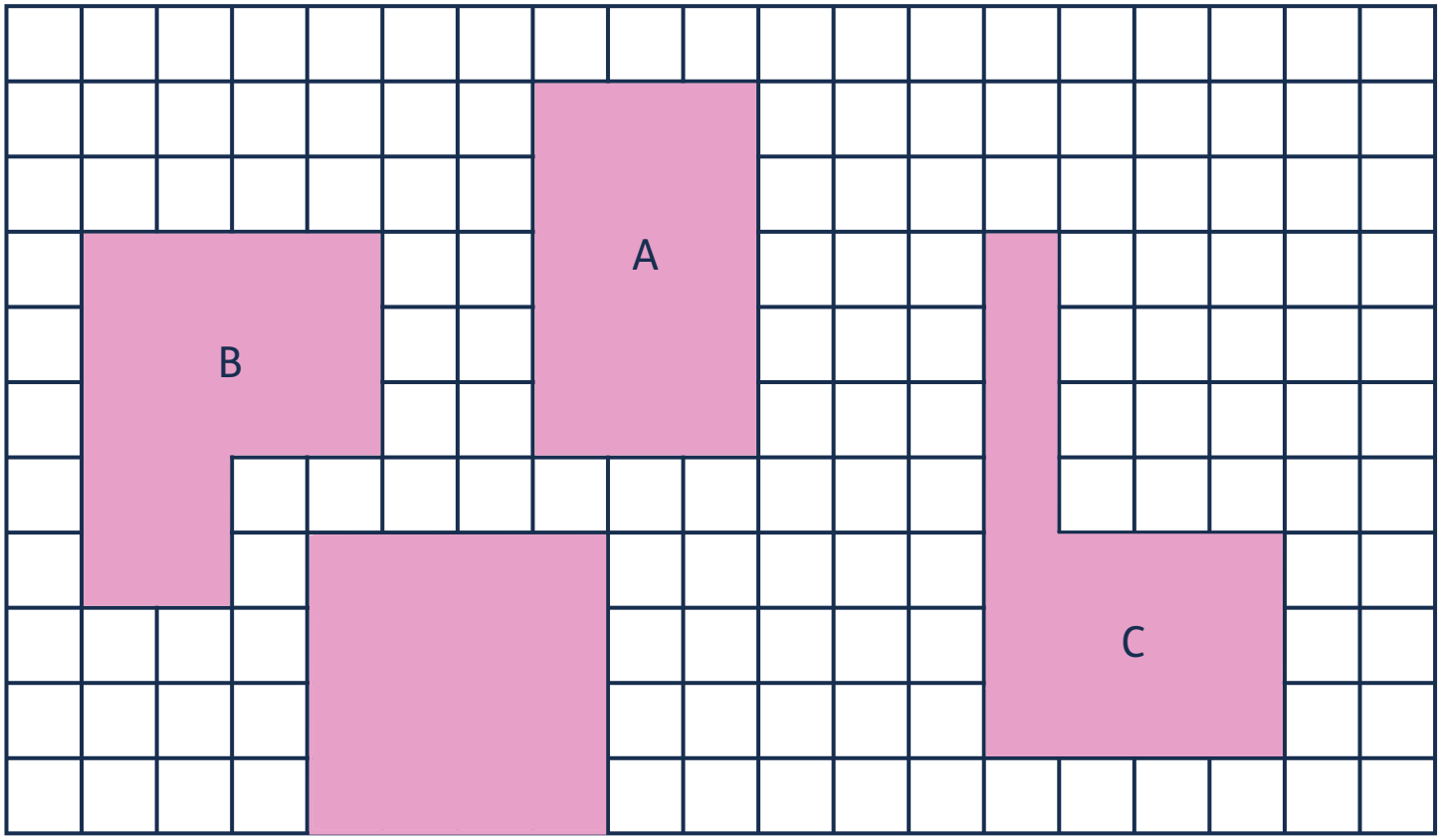
Perimeter, area and volume

Answer sheet

MyMaths

Question 1

a Work out the area and perimeter of shapes A, B and C.



□ = 1 cm²

Shape	Perimeter	Area
A	16 cm	15 cm²
B	18 cm	16 cm²
C	22 cm	16 cm²

b In the space on the grid, draw a shape where the perimeter and area are the same. What is the perimeter and area of your new shape?

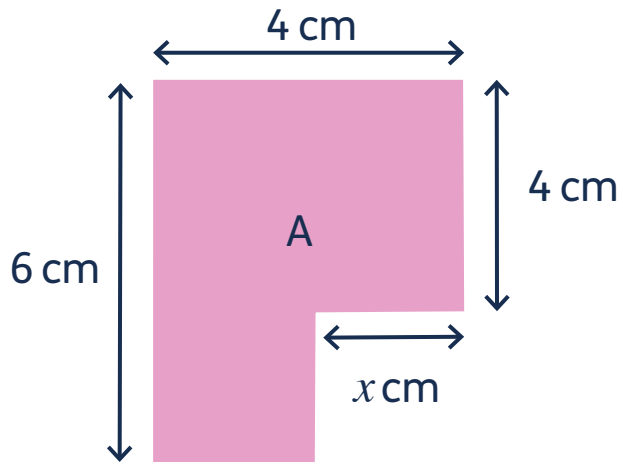
Perimeter: 16 cm Area: 16 cm²

Perimeter, area and volume

Answer sheet

Question 2

Can you find the missing length (x) in shape A?



Area = 20 cm^2

Area is two cuboids of area 16 cm^2 and 4 cm^2.

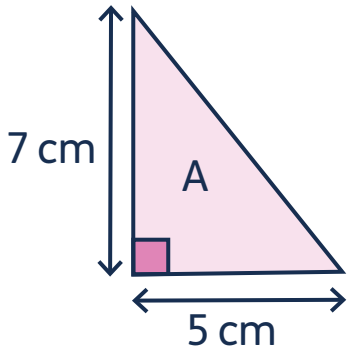
One side of the smaller cuboid is $6 - 4 = 2$ cm

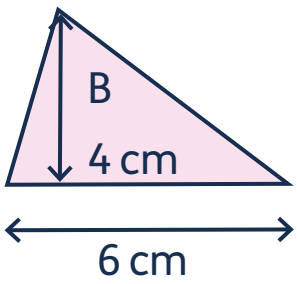
The area of the cuboid is 4 cm^2

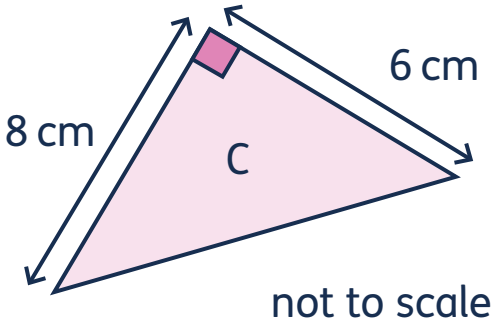
x must be 2 cm

Question 3

Find the areas of these shapes.







not to scale

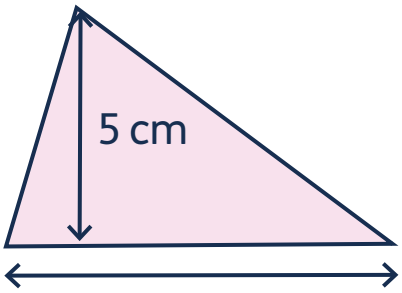
Shape	Area
A	17.5 cm^2
B	12 cm^2
C	24 cm^2

Perimeter, area and volume

Answer sheet

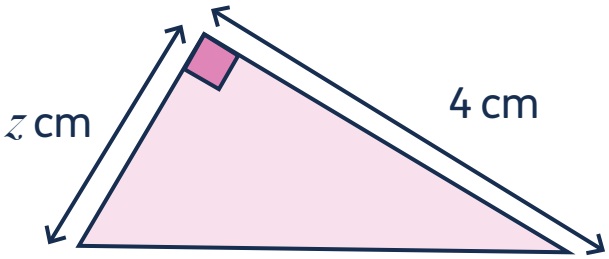
Question 4

Can you find the missing lengths?

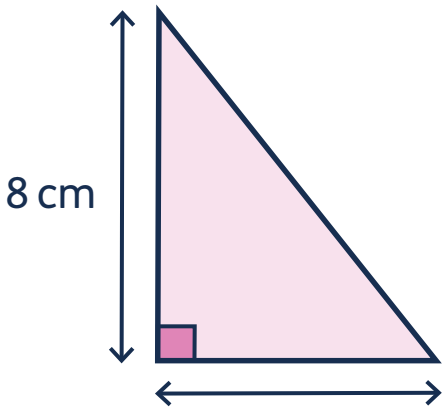


x cm

Area = 15 cm^2



Area = 9 cm^2



y cm

not to scale

Area = 24 cm^2

Side	Length
x	6 cm
y	6 cm
z	4.5 cm

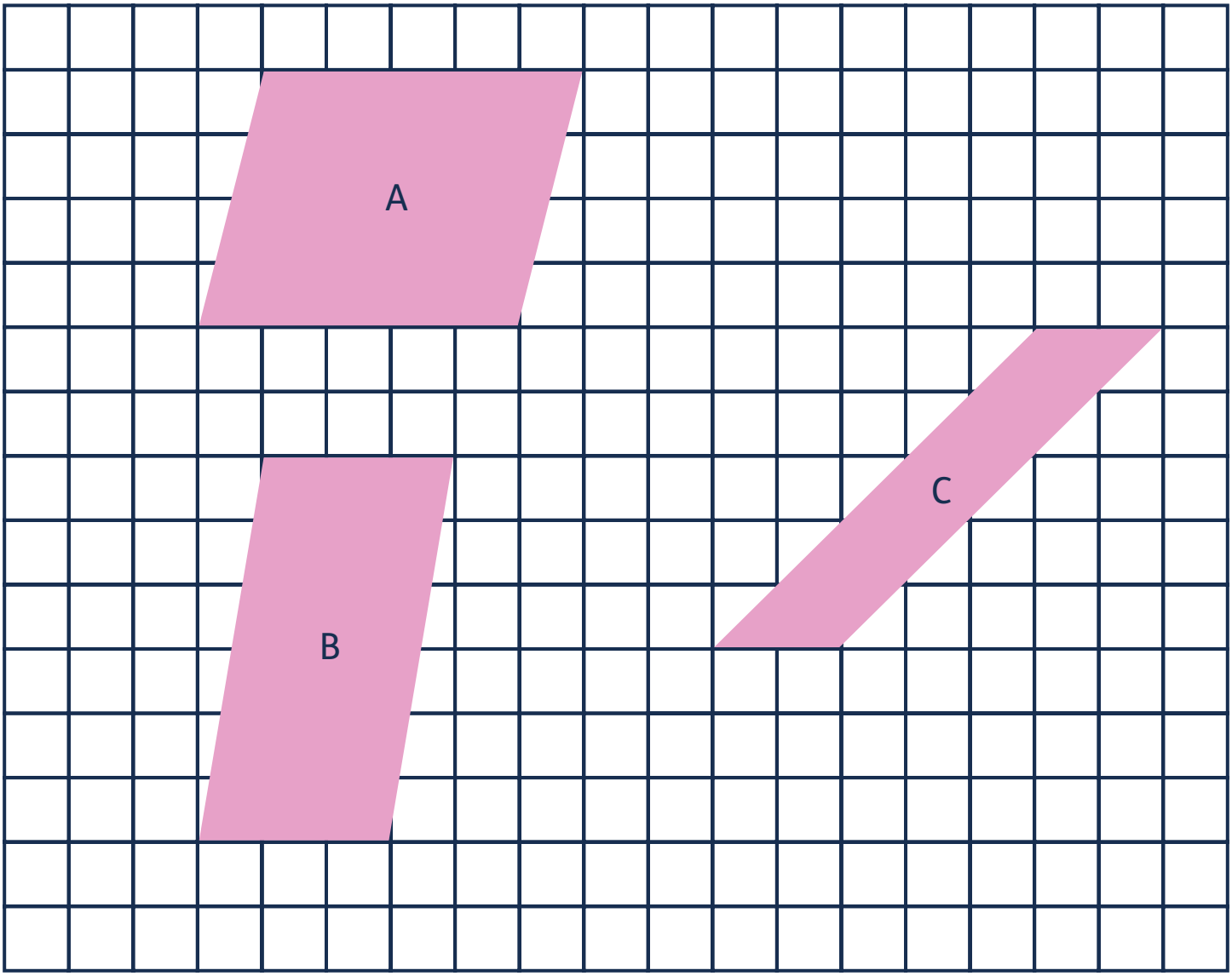
Perimeter, area and volume

Answer sheet

MyMaths

Question 5

What are the areas of these parallelograms?



= 1 cm^2

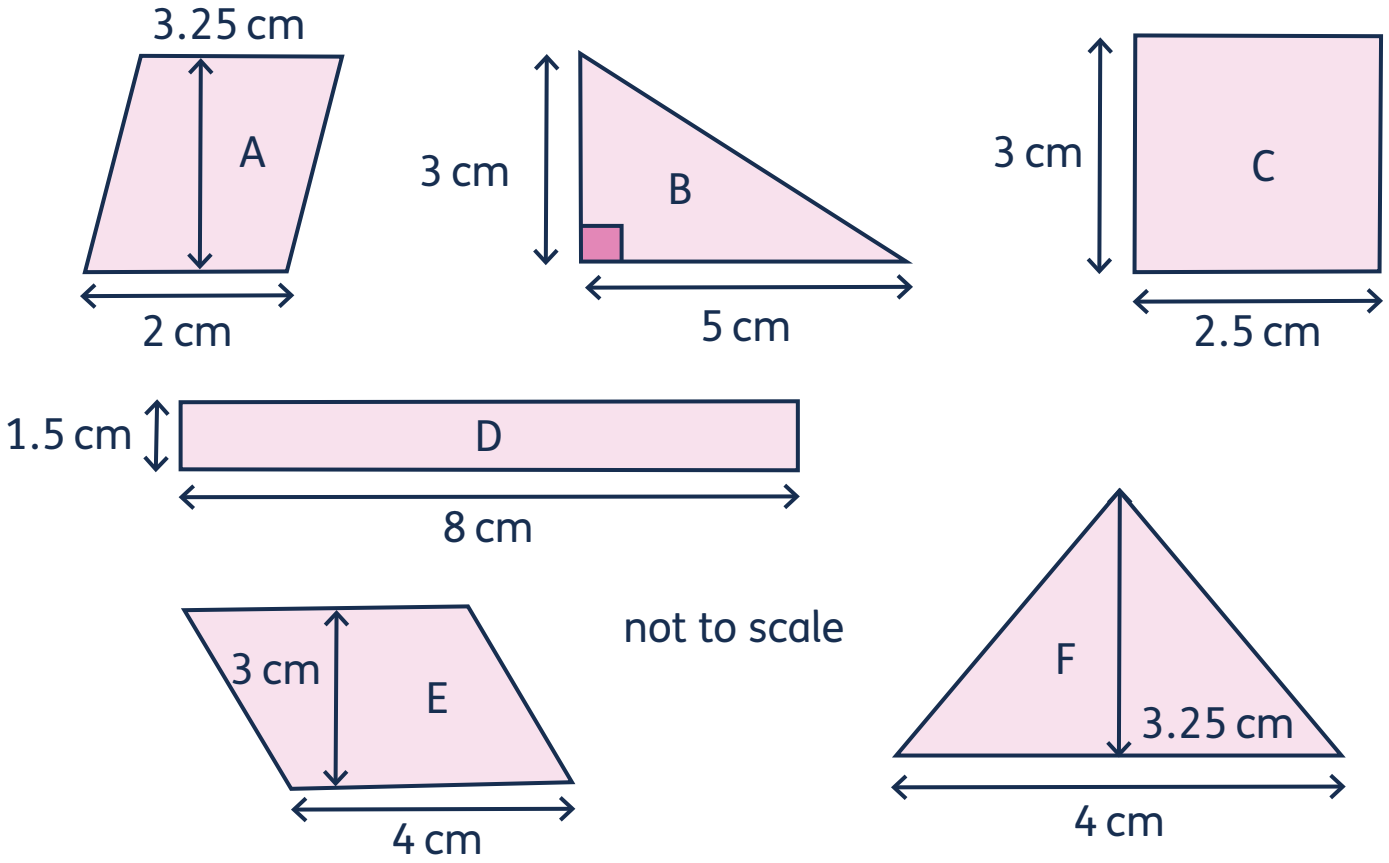
Shape	Area
A	20 cm^2
B	18 cm^2
C	10 cm^2

Perimeter, area and volume

Answer sheet

Question 6

a Find the areas of shapes A – F.



Shape	Area
A	6.5 cm^2
B	7.5 cm^2
C	7.5 cm^2
D	12 cm^2
E	12 cm^2
F	6.5 cm^2

b Which shapes have the same area?

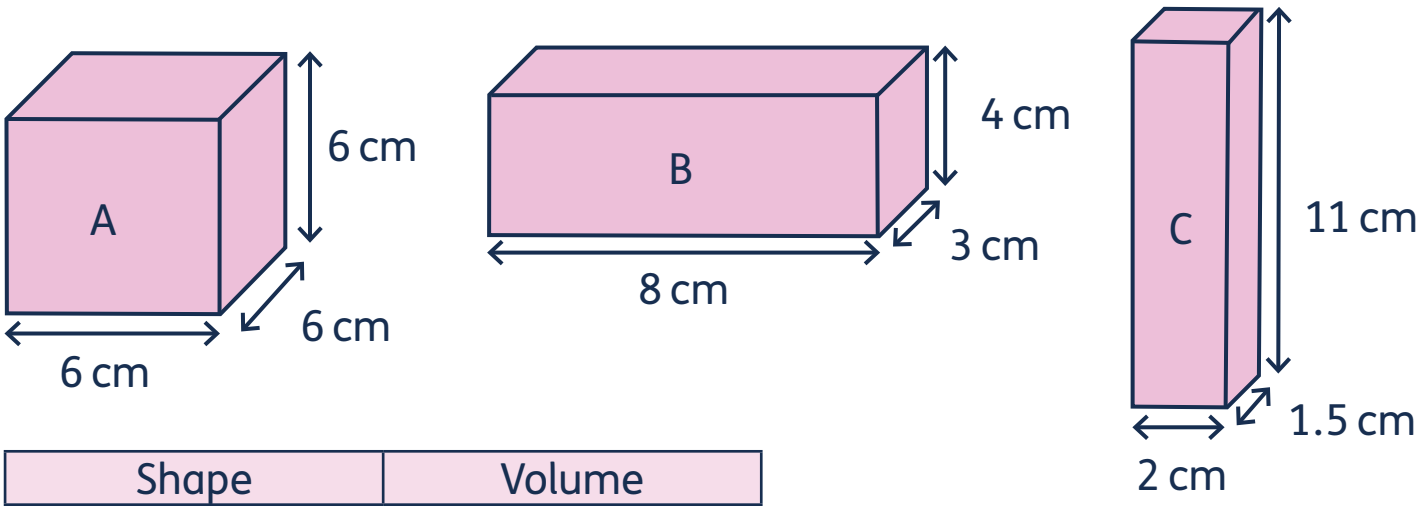
A & F; B & C; D & E

Perimeter, area and volume

Answer sheet

Question 7

Calculate the volume of these cuboids.



Shape	Volume
A	216 cm^3
B	96 cm^3
C	33 cm^3

Question 8

What is the volume of a cube which has side lengths of

a 5 m?

125 m^3

b 3 mm?

27 mm^3

c 2 km?

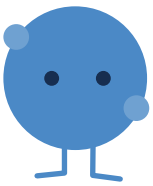
8 km^3

Perimeter, area and volume

Answer sheet

Question 9

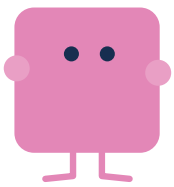
a



How many cubes of 1 cm^3 could you fit in a 1 m^3 cube?

1,000,000

b



One face of a cuboid has an area of 10 mm^2. Its total volume is 30 mm^3. Give two different sets of dimensions for the cuboid.

2 mm × 5 mm × 3 mm

or

1 mm × 10 mm × 3 mm