

Cambridge Primary Checkpoint

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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MATHEMATICS

0845/01

Paper 1

April 2020

45 minutes

You must answer on the question paper.

You will need: Protractor
Tracing paper (optional)

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- You should show all your working in the booklet.
- You are **not** allowed to use a calculator.

INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

This document has **16** pages. Blank pages are indicated.

1 Here are four calculations with answers.

$$250 \div 10 = 25$$

☐

$$15 \times 10 = 1500$$

☐

$$90 \div 10 = 900$$

☐

$$12 \times 100 = 1200$$

☐

Tick (✓) the calculation if the answer is correct.
Cross (✗) the calculation if the answer is incorrect.

[2]

2 Complete these calculations.

(a)

3	
---	--

+

	8
--	---

=

1	0	0
---	---	---

[1]

(b)

	5	0
--	---	---

+

1		
---	--	--

=

1	0	0	0
---	---	---	---

[1]

- 3 The chart shows the times that planes leave an airport in London.

Destination	Flight number	Flight time
Amsterdam	A438	13:40
New York	A173	14:25
Madrid	A462	15:25
Berlin	A986	16:00

Aiko is travelling from London to New York.

What time will her flight leave?

..... [1]

4



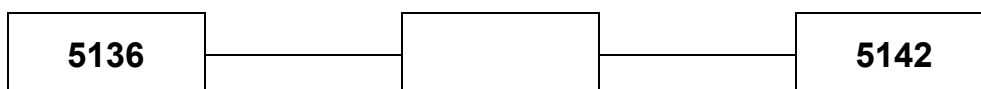
Lily has 404 marbles.

She loses 8 marbles.

How many marbles does she have left?

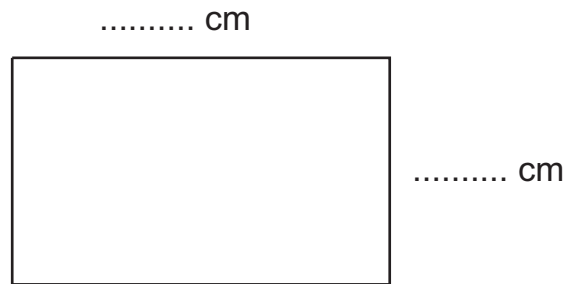
..... marbles [1]

- 5 Write the number that is half-way between 5136 and 5142



[1]

6 Here is a rectangle.



(a) Measure each side and write the measurements on the diagram. [1]

(b) Calculate the perimeter of the rectangle.

.....cm [1]

7 Complete the following.

Angles are measured in



One full turn =



right angles.

[1]

8 Pierre travels 112 km at the same speed in a car.

He uses 8 litres of petrol.

How far does he travel using 1 litre of petrol?

.....km [1]

- 9 Draw the lines of symmetry on these two letters.

A E

[1]

- 10 Here is a number line.

$$\frac{1}{2}$$

0.9

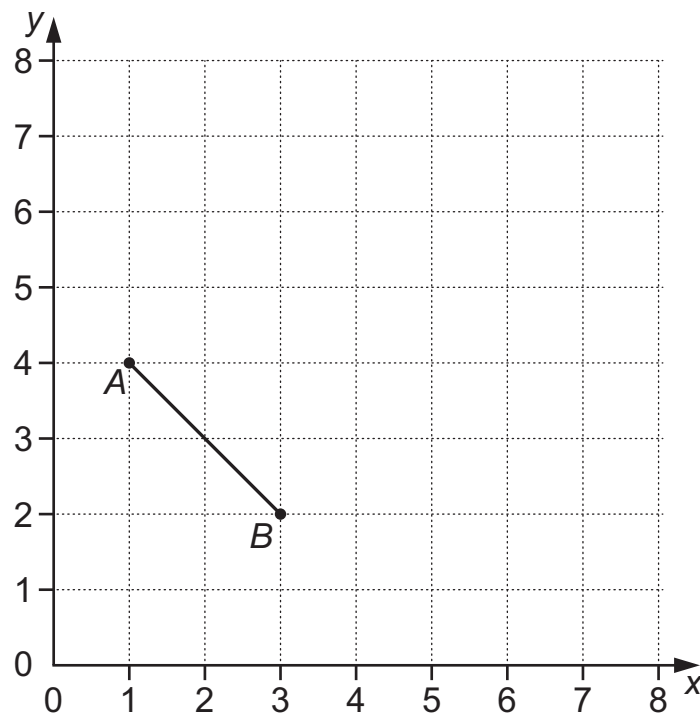
$$\frac{3}{10}$$



Join each fraction and decimal to the correct position on the number line.

[1]

11 Here is a square grid.



A , B , C and D are the vertices of a kite.

A and B are shown on the grid.

C is the point $(7, 4)$

Write the coordinates of point D .

(..... ,) [1]

12 Angelique scores 30 out of 50 in a test.
Gabiella scores 50% in the same test.

Draw a ring around the name of the person who has the higher score.

Angelique

Gabiella

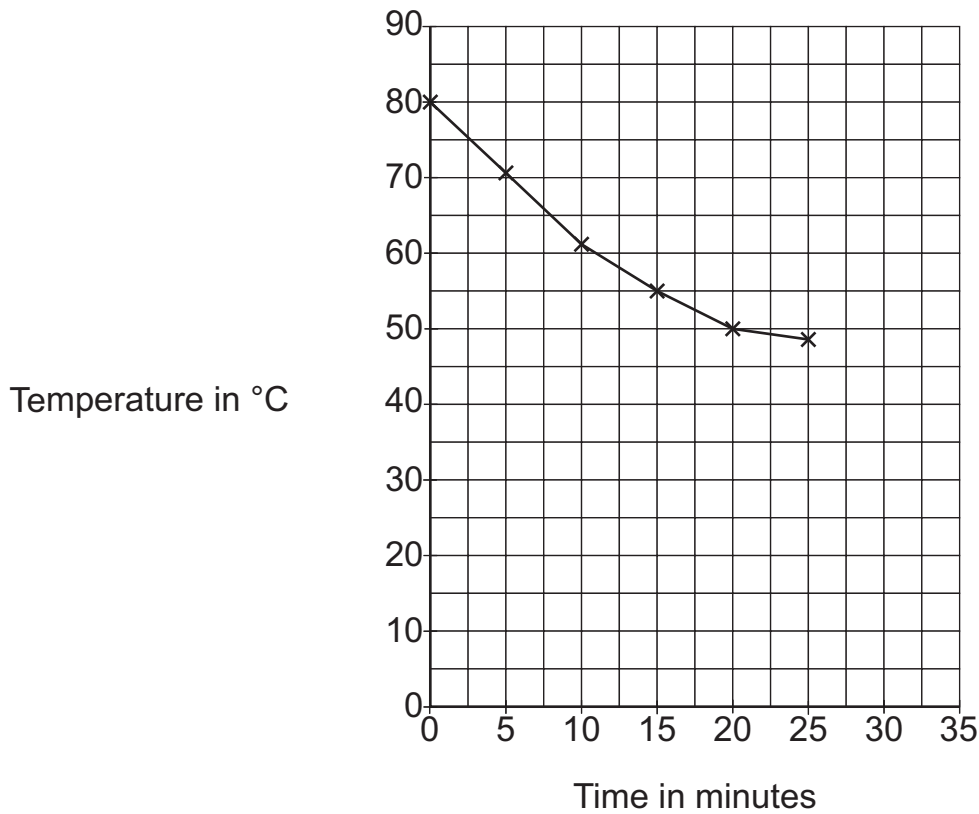
Explain how you know.

.....

..... [1]

13 Safia measures the temperature of a cup of tea to see how quickly it cools.

Graph to show the temperature of a cup of tea



(a) By how much does the tea cool in the first 15 minutes?

..... $^{\circ}\text{C}$ [1]

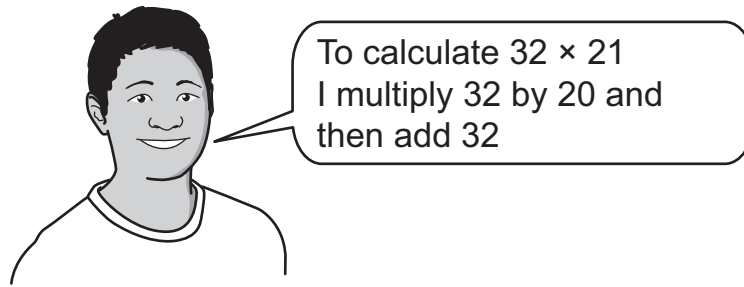
(b) Safia measures the temperature after **30 minutes**.

The temperature is 45°C .

Plot the temperature on the graph.

[1]

14 Chen says,



Change Chen's method to calculate 32×19

You must show your working.

..... [2]

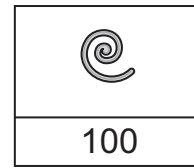
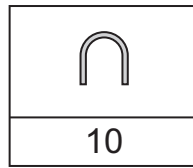
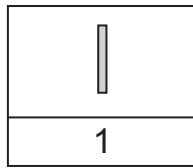
15 There are 30 students in a class.

$\frac{1}{5}$ like football.

How many students do **not** like football?

.....students [1]

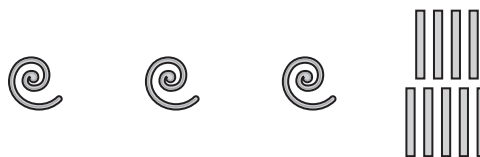
16 Here are three symbols used by the Ancient Egyptians to write numbers.



(a) Which numbers do these symbols represent?



.....



.....

[1]

(b) Write 142 using the Ancient Egyptian symbols.

[1]

17 Write a digit in each box to complete the statements.

$$4. \boxed{}6 \xrightarrow{\text{rounded to the nearest tenth}} 4.1$$

$$2. \boxed{}2 \xrightarrow{\text{rounded to the nearest tenth}} 2.8$$

[1]

18 Calculate.

$$147.56 - 32.38$$

..... [1]

19 Four children empty their money boxes.

They record the number of each coin they have in a table.

Name of child	10c	5c	1c
Oliver	3	4	1
Yuri	10	3	1
Hassan	6	7	2
Carlos	6	1	4

(a) How much money does Oliver have?

..... c [1]

(b) Write the name of the child who has the most coins.

..... [1]

20 Draw rings around **all** the numbers that are divisible by 4

196

574

1144

728

1026

[1]

21 Here is a number fact.

$$48 \times 16 = 768$$

Use **this fact** to complete the following statements.

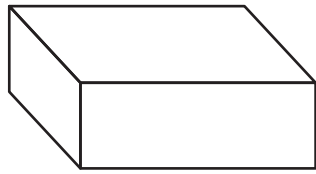
$$96 \times \boxed{} = 768$$

$$\boxed{} \times 32 = 768$$

$$64 \times \boxed{} = 768$$

[2]

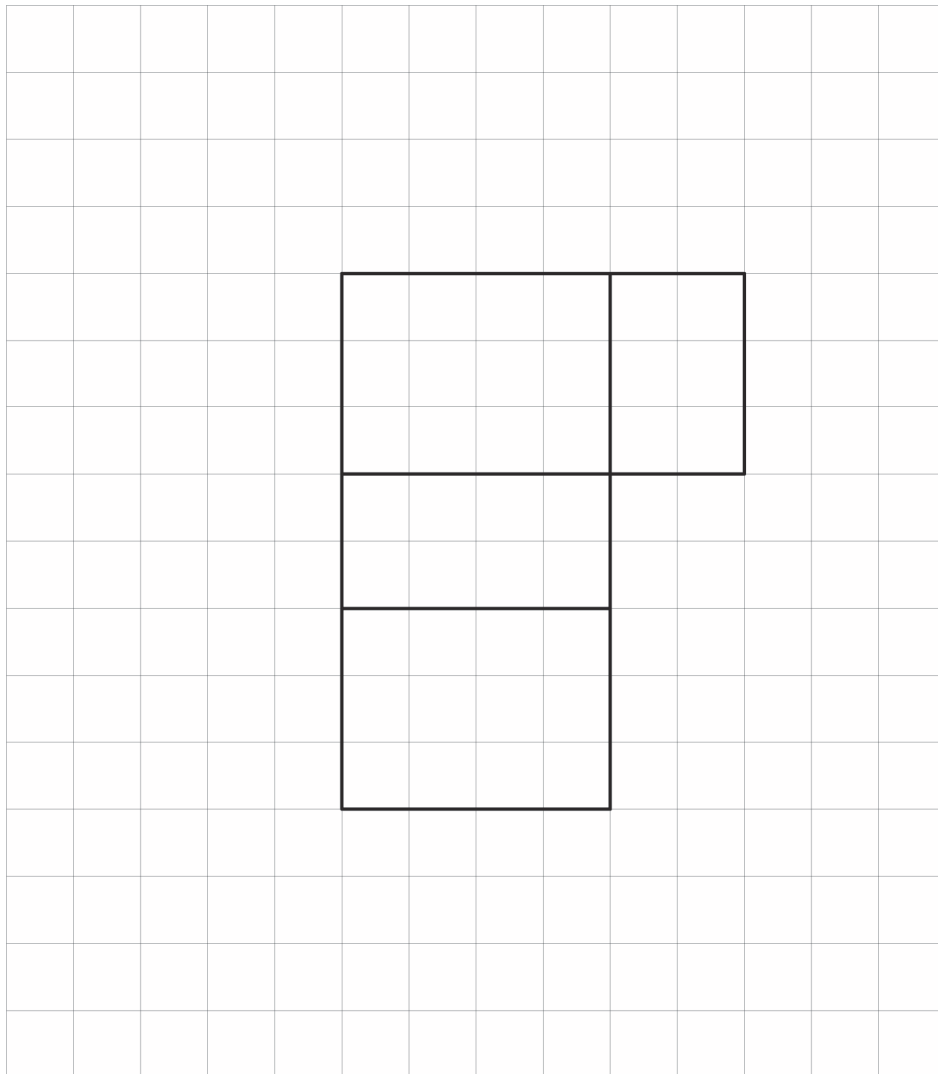
22 Here is a picture of a cuboid.



Not drawn to scale

Mia is drawing a net of the cuboid on squared paper.

Complete her net on this grid.



[2]

23 40 multiplied by 50 gives an answer that is a multiple of 1000

$$40 \times 50 = 2000$$

Write two more calculations that give an answer that is a multiple of 1000

Each number must be a multiple of 10

		×			=		0	0	0
--	--	---	--	--	---	--	---	---	---

		×			=		0	0	0
--	--	---	--	--	---	--	---	---	---

[2]

24 Complete this table by writing the answer to each calculation as a decimal and as a mixed number.

The first one has been done for you.

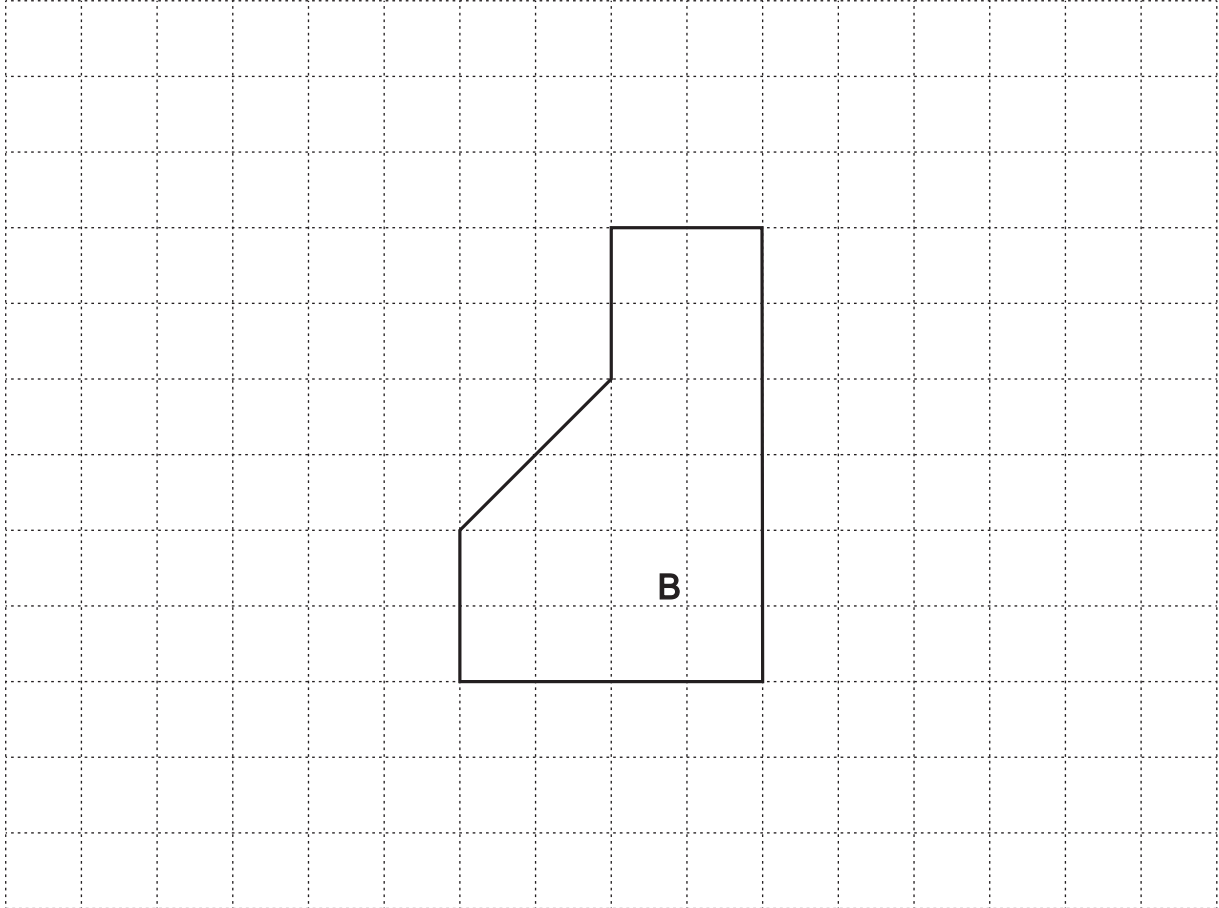
Calculation	Decimal	Mixed number
$13 \div 2$	6.5	$6\frac{1}{2}$
$32 \div 5$		
$23 \div 4$		

[2]

25 Shape A is translated 1 square right and 2 squares down.

The new shape is labelled B.

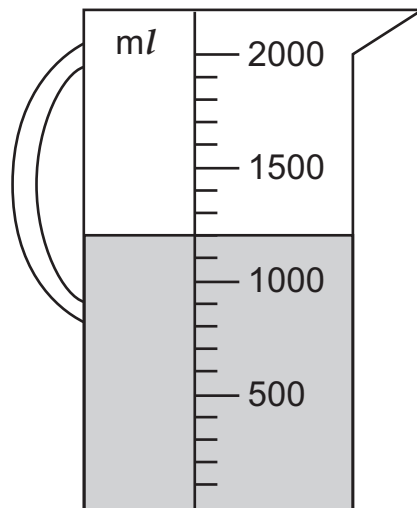
Shape B is shown on the grid.



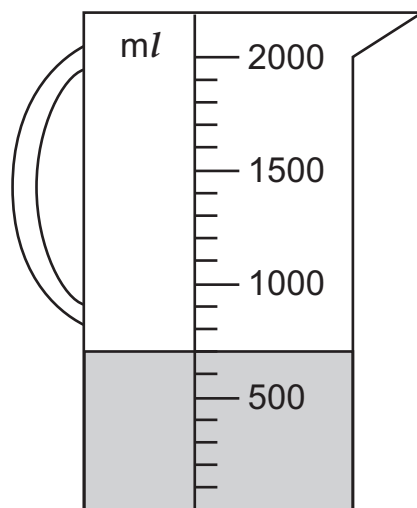
Draw shape A in the correct position on the grid.

[1]

26 Yuri has a jug of water.



He pours some water out of the jug.



How much water does he pour out of the jug?

Give your answer in **litres**.

..... litres [1]

