Cambridge Primary Checkpoint

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS **0845/01**

Paper 1 **October 2021**

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 [ ].

[Turn over

1 A school needs $1000 to buy a new computer.

A concert raises $650

Write how much more money the school needs.

$ .... [1]

2 Join each fraction to the correct place on the number line.

$$\frac{7}{10} \qquad\qquad \frac{4}{10}$$
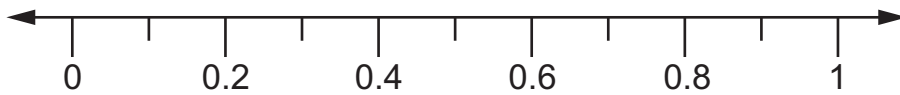
[1]

3 Naomi has a number card.

4507

Write the number that is 2000 more than Naomi's number.

....

Write the number that is 50 less than Naomi's number.

....

[2]

4 Angelique walks her dog around the local park.
She starts at the gate.
Here is a map of the park.
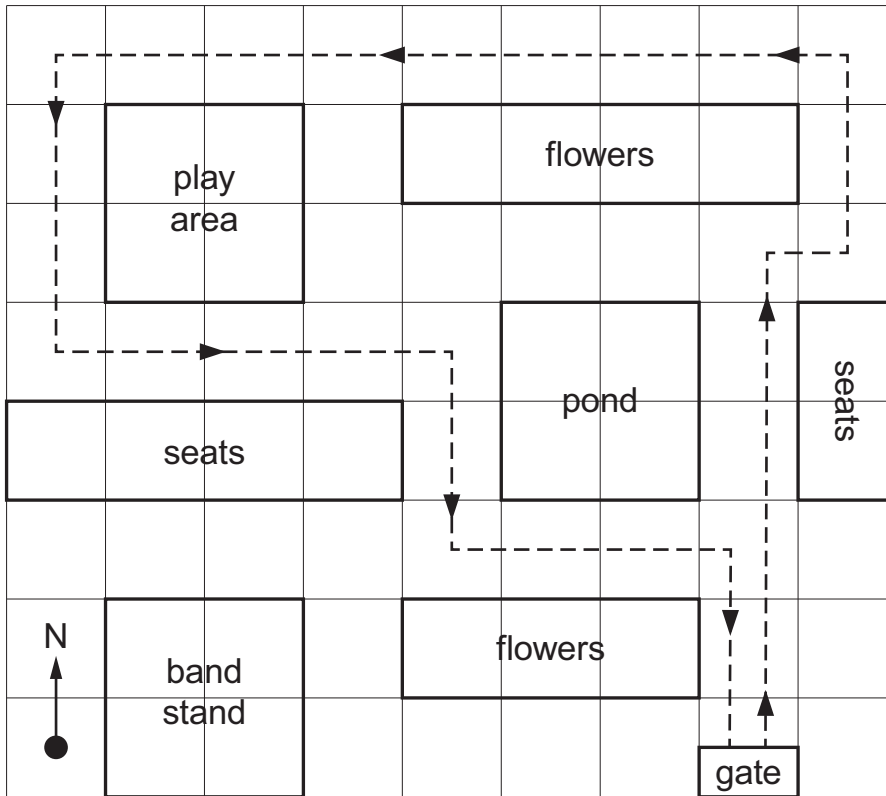
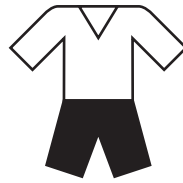Complete the instructions for her walk.

5 north

1 east

2 north

_____

_____

_____

_____

_____

_____

[2]

5 Here are six football outfits.

| A | B | C |

| D | E | F |

Write the letter of each outfit in the correct place on the Carroll diagram.

	Striped tops	Not striped tops
White shorts		
Not white shorts		

[2]

6 Find the difference between 7600 and 499

.... [1]

7 Jamila has a large toy box and a small toy box.
The large box is 120 cm long and 90 cm high.
Each length of the small box is one-sixth the length of the large box.

Write the length and height of the small box.
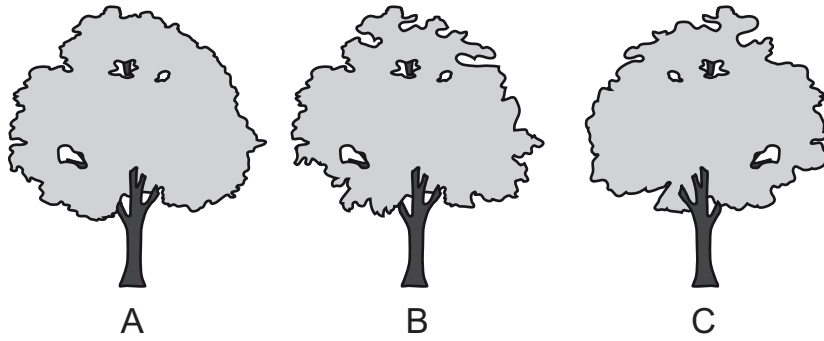Show your working.

Length of the small box .... cm

Height of the small box .... cm

[2]

8 Mia is 1.5 metres tall.
Pierre is 1.2 metres tall.

How many centimetres taller is Mia than Pierre?

.... cm   [1]

9 Here are 3 apple trees.

A   B   C

Tree A produces 40 kg of apples.
Tree B produces 50% more apples than tree A.
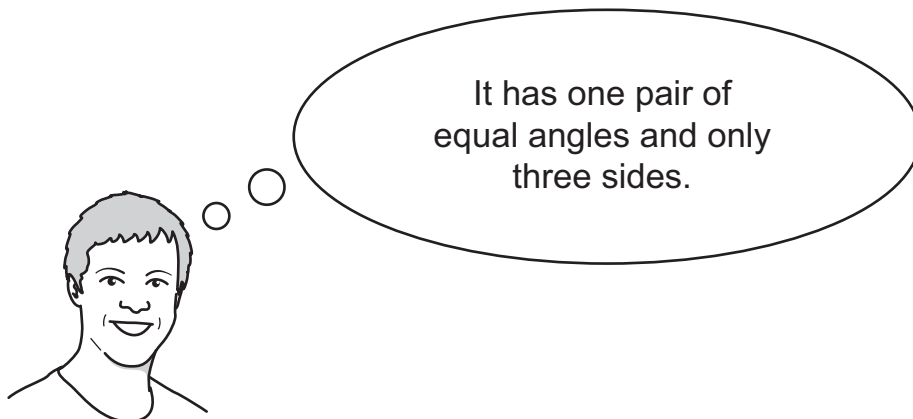Tree C produces 50% fewer apples than tree B.

Write how many kilograms of apples tree C produces.
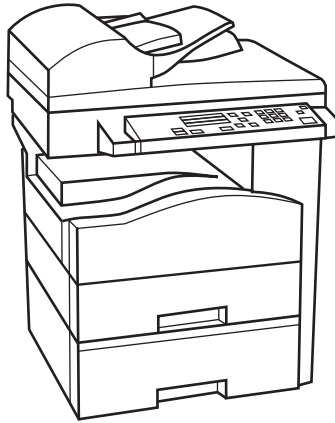
You must show your working.

.... kg   [2]

10 Write which 2D shape Ahmed is thinking about.

It has one pair of
equal angles and only
three sides.

.... [1]

**11** A photocopier has sheets of paper in it.

On Monday the photocopier uses 312 sheets of paper.
On Tuesday 500 more sheets are put in it.
646 sheets of paper are used.
There is then no paper left in the photocopier.

Write how many sheets of paper were in the photocopier at the beginning.
Show your working.

.... sheets of paper   [2]

12 Class 5 measure the temperature in the playground every hour.
Here is a graph of their results.

Graph to show the temperature
in the playground
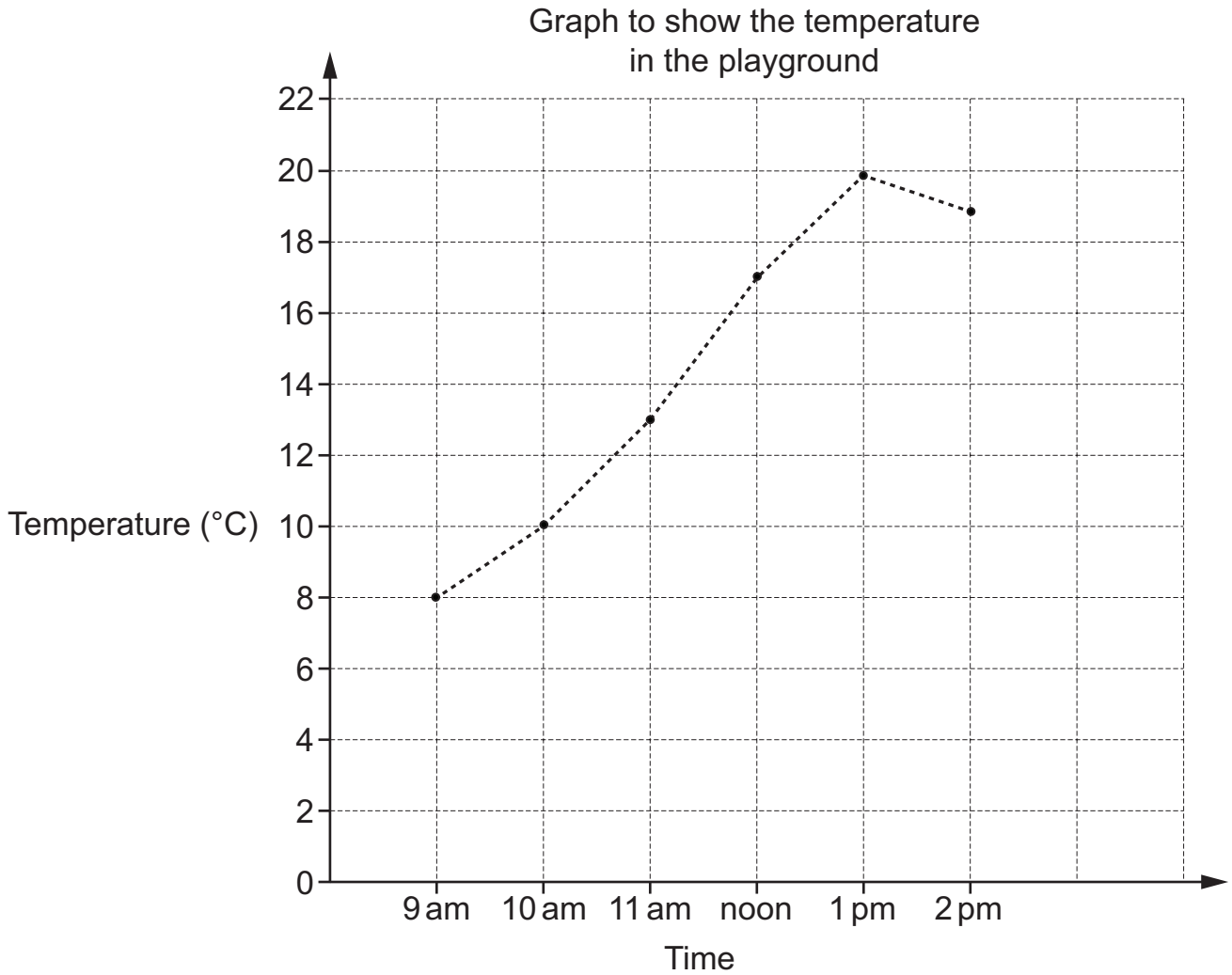
(a) The temperature at 3 pm was 16°C.
Plot **all** this information on the graph.

[1]

(b) The temperature rose by 4°C between two of the measurements.

Write down the times of these two measurements.

.... and .... [1]

13 Here is a train timetable.

Redcastle	06:00	06:30	06:45	07:00	07:15
Greenway	--	06:38	--	07:08	--
Aldin Wood	--	--	06:57	--	--
Amber Heath	06:18	06:51	07:07	07:21	--
Bell Lane	06:23	06:56	--	07:26	07:39
Queen Street	06:29	07:02	07:15	--	--
King Square	06:50	07:23	07:37	07:55	08:07

(a) Write down the time of the first train from Greenway to King Square.

.... [1]

(b) Safia is at Amber Heath at 07:10
She catches the next train to King Square.

Write the time she arrives at King Square.

.... [1]

14 Draw a ring around a common multiple of 4 and 7

<div align="center">14   21   36   47   56</div>

[1]

15 Write these numbers in order of size starting with the smallest.

$$8 \qquad -3 \qquad -7 \qquad -10 \qquad -1$$

....

   smallest   largest

[1]

16 Write in figures three hundred thousand, three hundred and four.

.... [1]

17 Calculate 14×18

.... [2]

18 Write these numbers in order, starting with the largest.

$$3.01 \qquad 1.3 \qquad 3.4 \qquad 1.04 \qquad 3.14$$

....

  largest   **smallest**

[1]

19 Yuri is standing against a measuring stick.
His mother measures him.
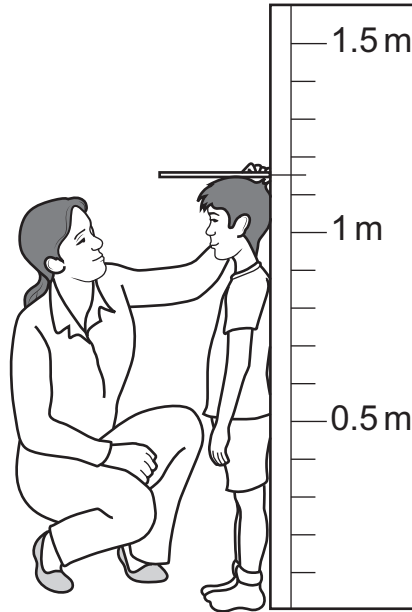
Write Yuri's height in metres.

....m   [1]

20 One side of a triangle is drawn on a co-ordinate grid.
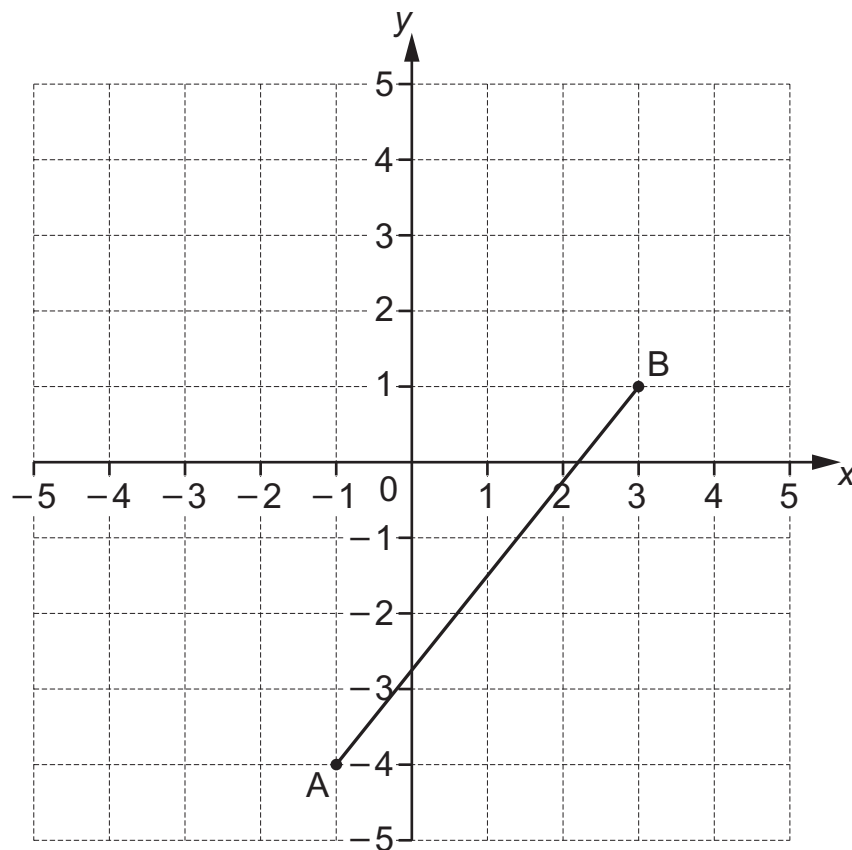
Points A and B are shown on the grid.

The co-ordinates of point A are (............................ , ...)

Vertex C of the triangle is at (–2, 4)

Complete the triangle on the grid.

[2]

21 Here are four operation cards.

| × 100 | ÷ 100 | × 1000 | ÷ 1000 |

Write one operation into each box to make each statement correct.

7250 [ ] = 7.25

7025 [ ] = 702 500

7520 [ ] = 75.2

7205 [ ] = 7 205 000

[2]

22 Tick (✓) all the answers that are equal to 47 ÷ 5

$9 \frac{2}{5}$ [ ]

9.2 [ ]

9.4 [ ]

$9 \frac{2}{9}$ [ ]

[1]

23 Hassan and Youssef each think of a decimal number.

Hassan says,

If I double my number the answer is 3.8

Youssef says,

If I halve my number the answer is 3.8
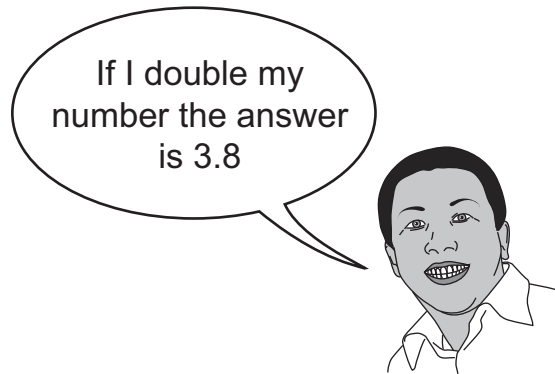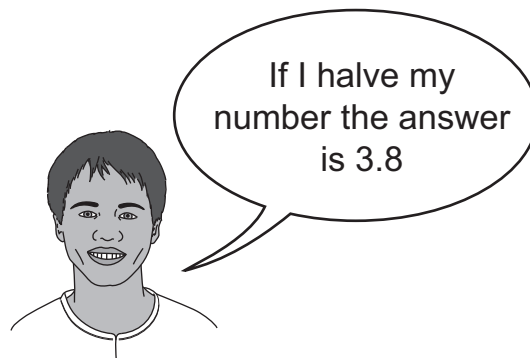
Write down the numbers Hassan and Youssef are thinking of.

Hassan .... Youssef .... [2]

24 Complete the following.

$$4 \times (\boxed{} - 15) = 160 - \boxed{}$$

$$= 100$$

[2]

25 Here are some number facts.

$1 \times 23 = 23$

$2 \times 23 = 46$

$3 \times 23 = 69$

$8 \times 23 = 184$

Use **these facts** to calculate 13×23

You must show the answer and how you worked it out.

.... [2]

26 Draw a ring around the larger amount.

20% of 65   25% of 50

Show calculations to explain your answer.

[1]

16

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