Cambridge Primary Checkpoint

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS 0845/01

Paper 1 April 2019

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen Protractor
Pencil Tracing paper (optional)
Ruler

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.
Write in dark blue or black pen.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

Calculators are **not** allowed.

The number of marks is given in brackets [ ] at the end of each question or part question.
You should show all your working in the booklet.
The total number of marks for this paper is 40.

This document consists of **14** printed pages and **2** blank pages.

[Turn over

1 Sophia asks some people to choose their favourite sport.
The pictogram shows the results.

Sport	
Football	☺☺☺☺
Basketball	☺☺
Running	☺☺
Swimming	

☺ equals 4 people

(a) How many people choose basketball?

.... people [1]

(b) 10 people choose swimming.
Complete the pictogram. [1]

2 Complete the following calculation.

34 + ☐ = 100

[1]

3 Complete these calculations.

363 × 10 = ...

64 000 ÷ 100 = ...

[1]

4 Which number is six hundred more than 1809?

.... [1]

5 Two of these drawings are nets for a triangular prism.
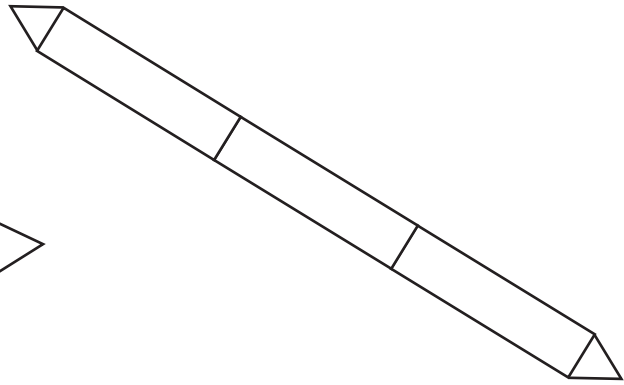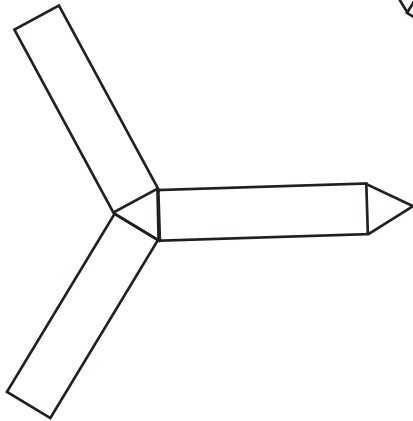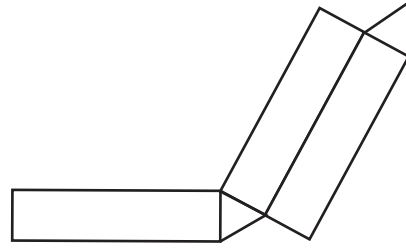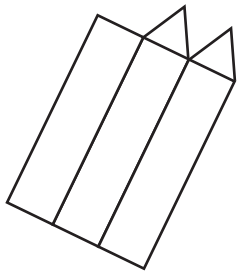
Draw a ring around them. [1]

6 Complete the calculation.

| 9 | 1 | 3 | – | | 8 | | = | 3 | | 7 |

[2]

7 Write the missing number in the box.

right angles = 1 whole turn
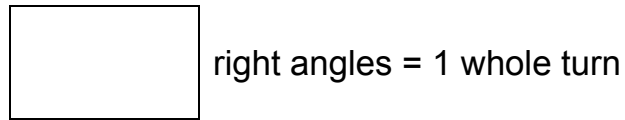
[1]

8 Jamila thinks of a three-digit number.

The sum of the digits is 8

The number is a multiple of 5 but not a multiple of 10
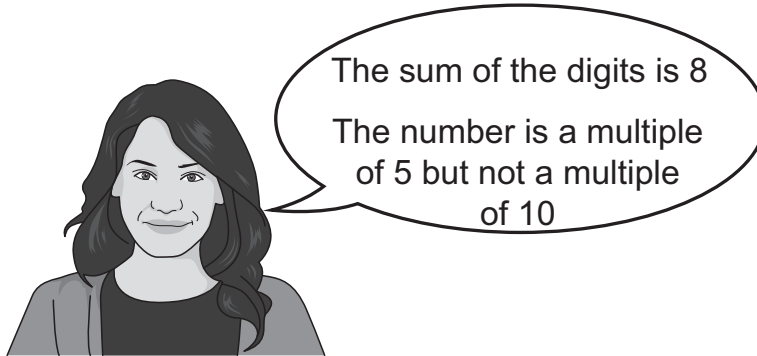
Write two different numbers that Jamila could be thinking of.

.... or .... [1]

9 Complete the number sequence.

| | + 17 | 15 | + 17 | | + 17 | | + 17 | 66 |

[2]

10 A lorry and a car leave a garage at the same time and travel in the same direction.

The lorry travels 28.6 km in one hour.
The car travels 45.4 km in one hour.

How far apart are the two vehicles after 1 hour?

.... km   [1]

11 At midday the temperature in Warsaw is 5°C.
At midnight the temperature is 8°C colder.

What is the temperature at midnight?

.... °C   [1]

12 Write these numbers in the Carroll diagram.

One has been done for you.

16   20   25   27   30   36

	multiples of 5	**not multiples of 5**
square numbers		16
not square numbers		

[2]

13 Here is one side of a quadrilateral drawn on a co-ordinate grid.
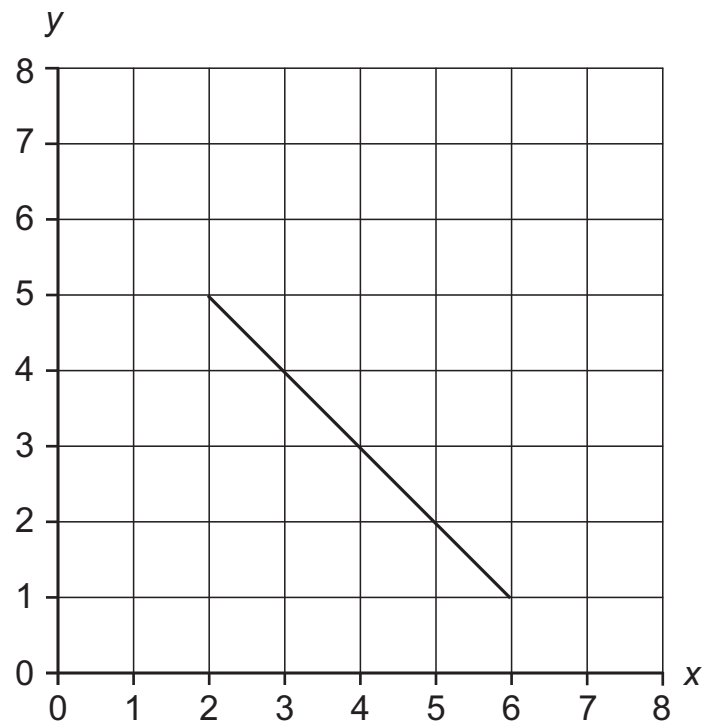
(a) Plot the third vertex at (4, 5). [1]

(b) The shape is a trapezium with one line of symmetry.

Which point completes the shape?

(............ , ...) [1]

14 Pens are sold in boxes of 30

A school buys 60 boxes.

How many pens does the school buy?

....pens [1]

15 Here is a number fact.

$$350 + 460 = 810$$

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

810 − ⬚ = 350

8.1 − 4.6 = ⬚

0.46 + ⬚ = 0.81

[1]

16 A train journey starts at 06:24 and ends at 21:16 on the same day.

How long is the journey?
Give your answer in hours and minutes.

.... hours .... minutes   [1]

17 (a) Write in figures the number that is ten more than two hundred thousand.

.... [1]

(b) Write in figures the number that is one hundred less than one million.

.... [1]

18 Write in the missing numbers.

(a) 15 × 12 = ☐ × 3 × 15

[1]

(b) 15 × 12 = 5 × 4 × ☐ × 3

[1]

19 Join each mixed number to the correct place on the number line.

The first one has been done for you.

$1\frac{1}{2}$ $4\frac{1}{2}$ $3\frac{1}{4}$ $1\frac{7}{8}$
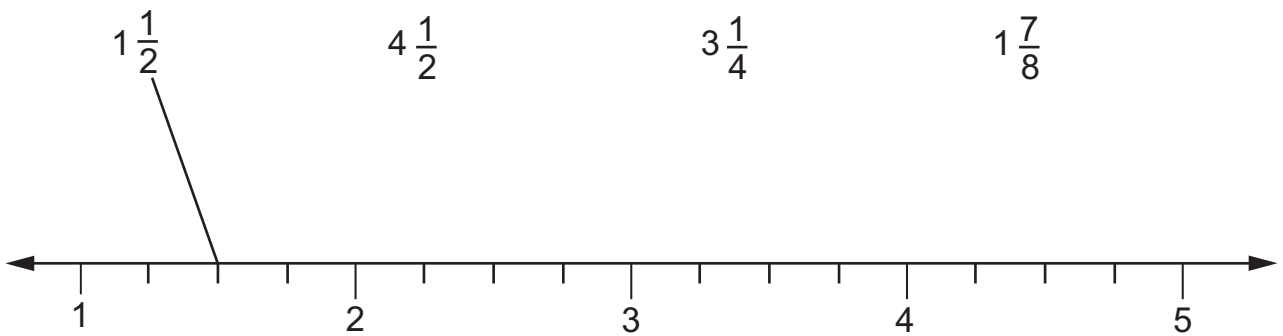
[2]

20 Here is a triangle.

A

Not drawn
to scale

37°
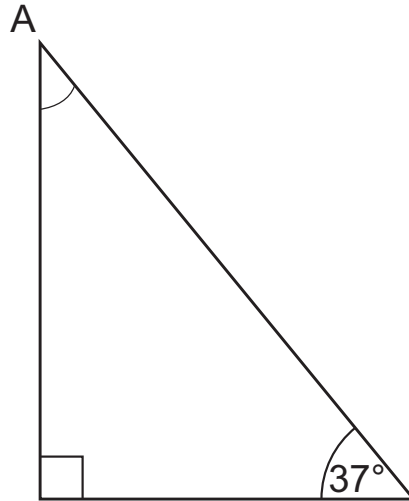
Calculate the size of the angle at A.

....° [1]

21 Write a digit in each box to make these calculations correct.

6.2 + ☐.☐ = 10

10 − ☐.3 = 4.☐

7.☐ + ☐.4 = 10

[2]

22 Here are graphs to show the average temperature and rainfall in Beijing.
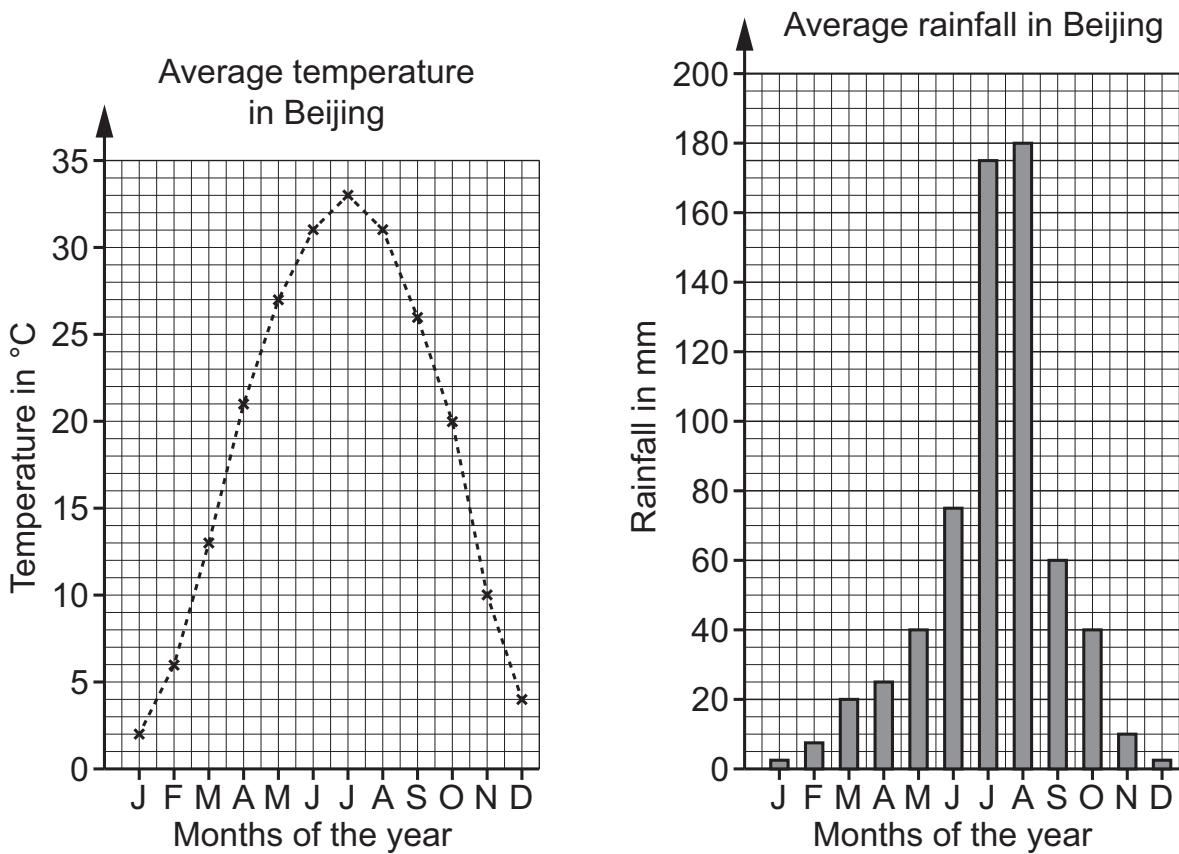
(a) In which months is the average temperature higher than 30°C?

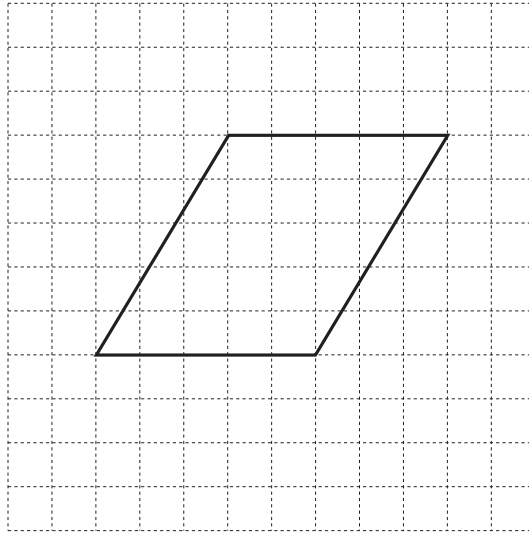... [1]

(b) Pierre wants to go to Beijing on holiday.
He wants the temperature to be between 20°C and 30°C.
He also wants the least amount of rain.

In which month should he go to Beijing?

.... [1]

23 Here is a parallelogram drawn on squared paper.

Use the squares to estimate the area of this shape.

....squares   [1]

24 Join the calculation to the correct answer.

6.2

6.3

$32 \div 5$
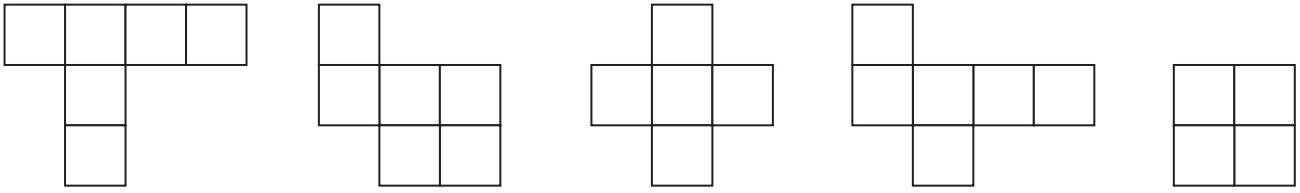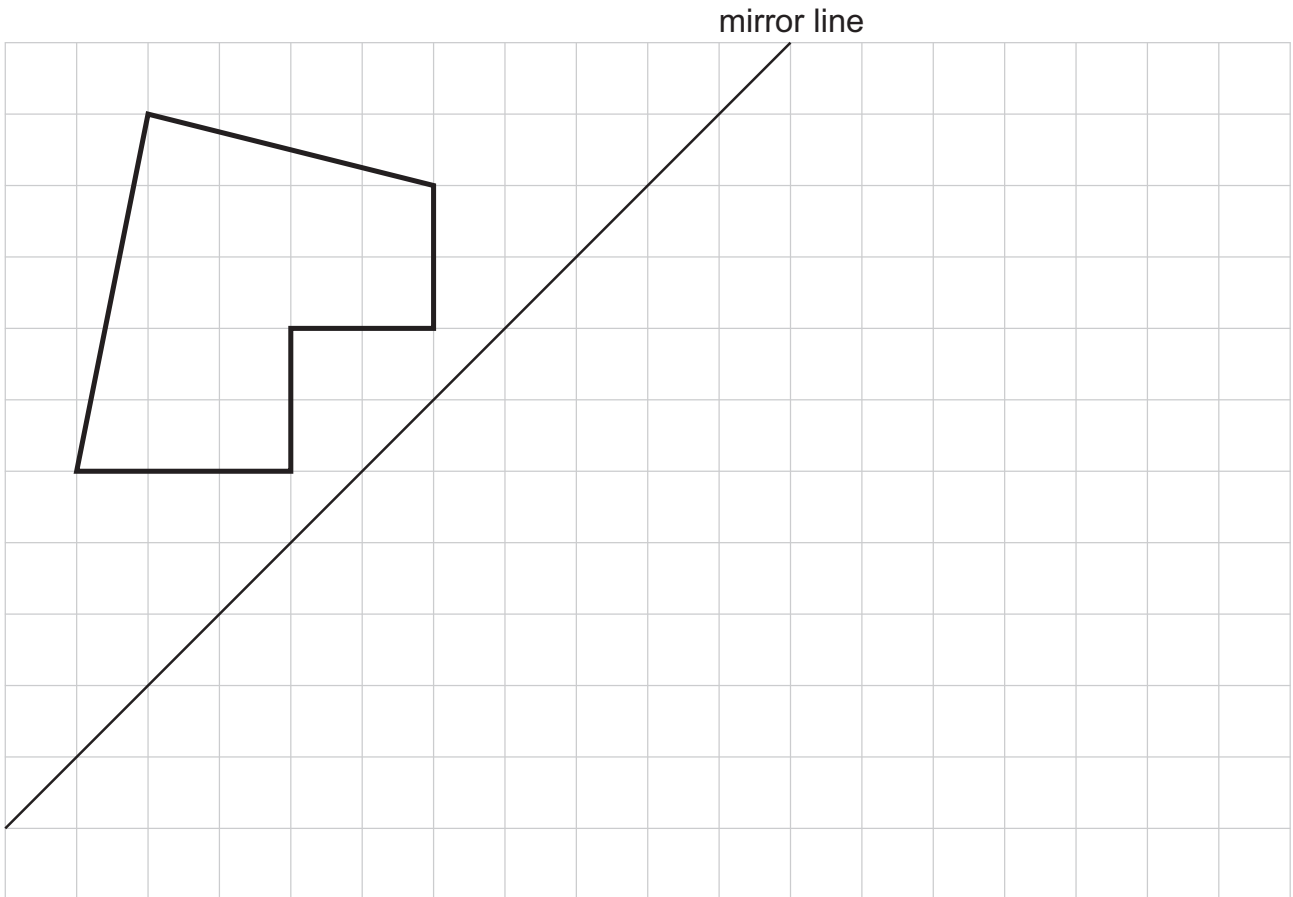
6.4

6.5

[1]

25 Draw a ring around the net which makes a cube.

[1]

26 Draw the reflection of the shape in the mirror line.

mirror line

[1]

27 Blessy has some cherries.

She eats $\frac{1}{4}$ of the cherries.

She has 18 cherries left.

How many cherries did she have at the beginning?

....cherries   [1]

28 Rajiv drives from Calais to Paris.

He travels 185 miles.

5 miles is approximately 8 kilometres.

Find how far he travels in kilometres.

....km   [2]

29 Here are 10 Euro coins in a straight line.

length = 23.25 cm

Estimate how many coins are needed to make a straight line that measures 1 km.

Draw a ring around the best estimate.

400   4000   40 000   400 000

[1]

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16

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