



Cambridge International Examinations
Cambridge Primary Checkpoint

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--



MATHEMATICS

0845/01

Paper 1

April 2016

45 minutes

Candidates answer on the Question Paper.

Additional Materials:

Pen
Pencil
Ruler

Protractor
Tracing paper (optional)

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 **15** printed pages and **1** blank page.

1 Draw a ring around **all** the multiples of 5

105 150 501 551 555

[1]

2 Draw a ring around **all** the calculations that total 100

$$35 + 65$$

$$47 + 53$$

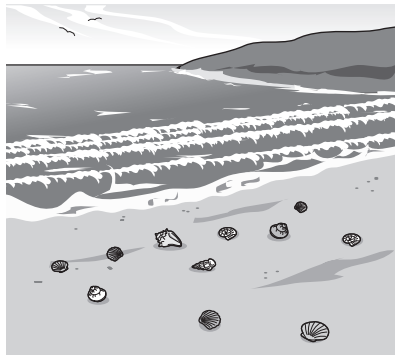
$$21 + 89$$

$$88 + 12$$

$$36 + 54$$

[1]

3 Four children find 30 shells on a beach.



Wayne finds 7 shells, Leroy finds 8 shells and Vincent finds 3 shells.

How many shells does Conrad find?

..... shells [1]

4 Draw an arrow (↓) to show 850 on the number line.



[1]

5 Write these fractions in order starting with the **largest**.

$$\frac{5}{8} \quad \frac{8}{8} \quad \frac{3}{8} \quad \frac{2}{8}$$

.....
largest

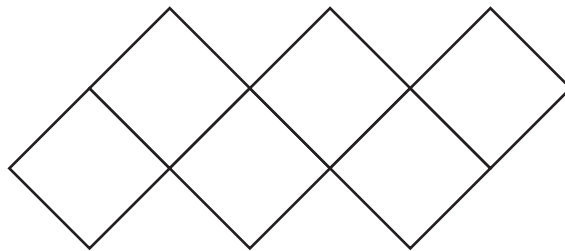
.....

.....

.....
smallest

[1]

6 Which **3D shape** will be made from this net?



..... [1]

7 45 children are at a club.

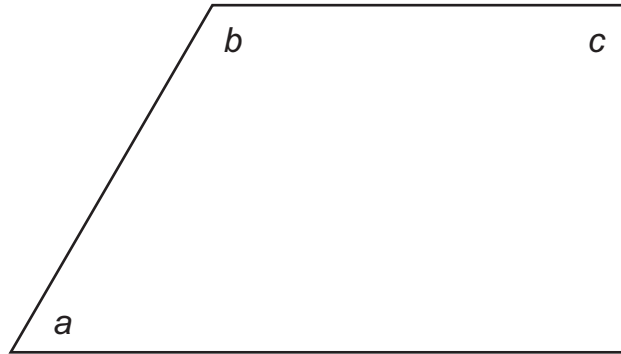
The leader forms teams of 6 children.

How many **whole** teams can the leader make?

..... teams [1]

8 Three angles a , b and c are marked on the diagram below.

Put the angles in order of size, starting with the smallest.

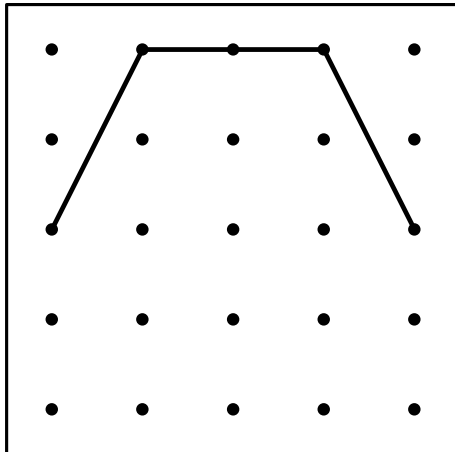


..... smallest largest

[1]

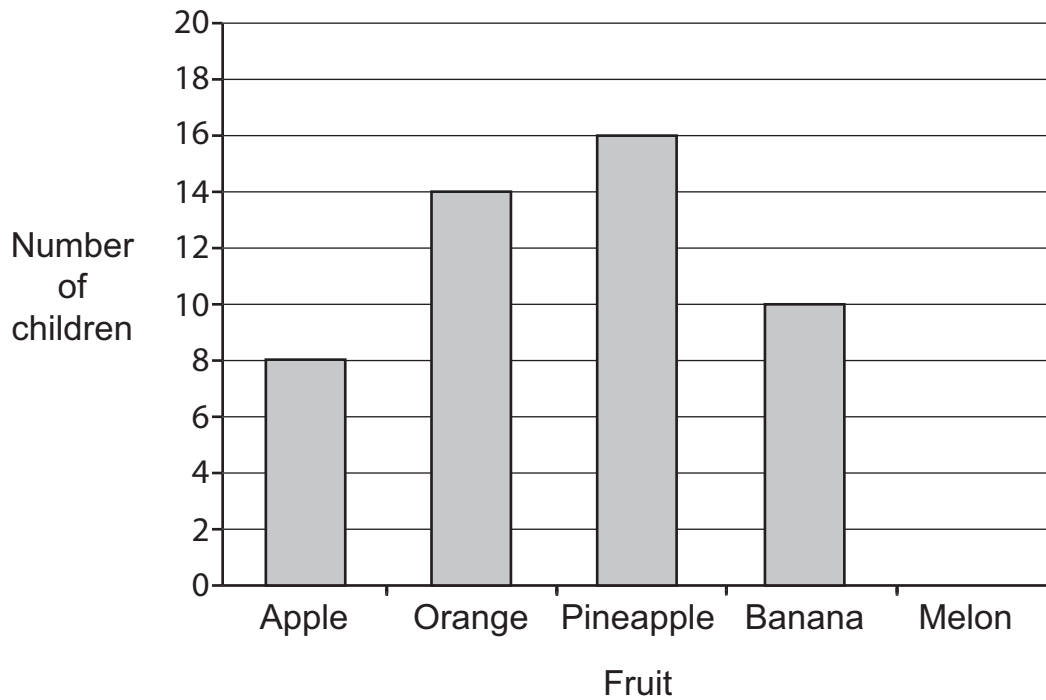
9 The lines on the grid form part of a pentagon.

Use the dots to complete the pentagon so it has **exactly** one right angle.



[2]

- 10** Mia asks some children to name their favourite fruit.
The bar chart shows some of her results.



- (a)** 7 of the children chose melon.

Draw a bar on the chart to show this.

[1]

- (b)** How many children did Mia ask altogether?

..... [1]

- 11** Work out 400×7

..... [1]

12 Noah was born in 1994

What birthday did he have in 2003?

..... birthday [1]

13 Draw a ring around two numbers that total 1

0.6 0.7 0.5 0.2 0.3

[1]

14 Here are 4 digit cards.

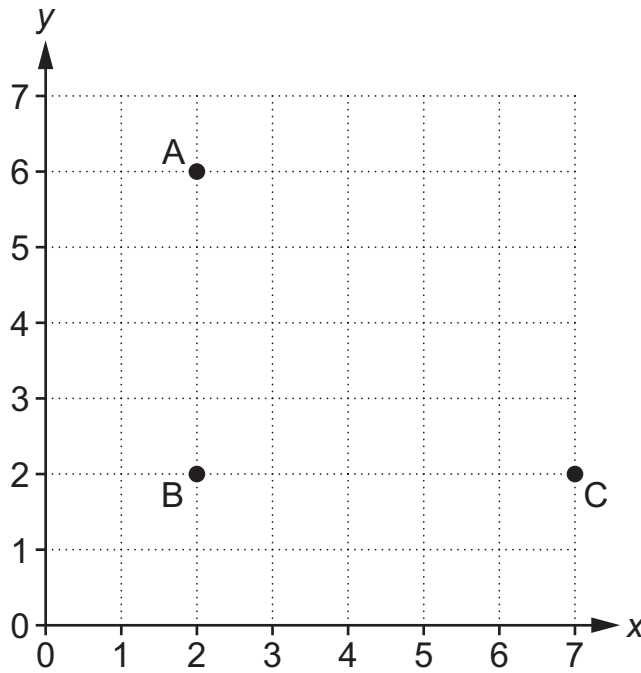


Use each card **once** to complete this number sentence.

$$\boxed{} \boxed{2} . \boxed{} > \boxed{6} \boxed{} . \boxed{}$$

[1]

15 A, B and C are three vertices of a rectangle.

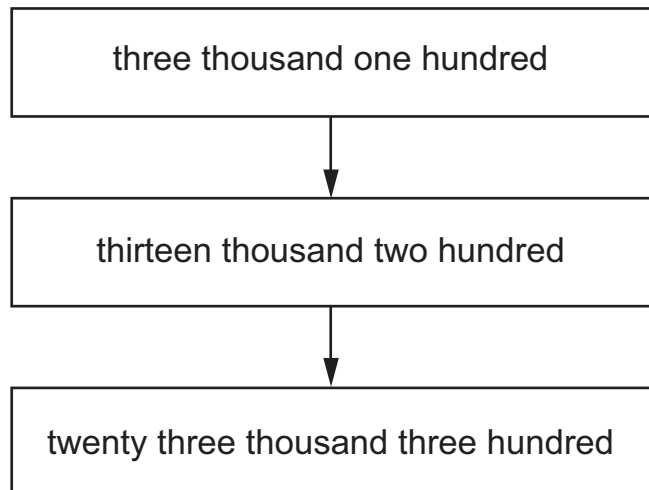


What are the co-ordinates of the fourth vertex?

(..... ,) [1]

16 Here is a sequence of numbers.

The sequence continues in the same way.

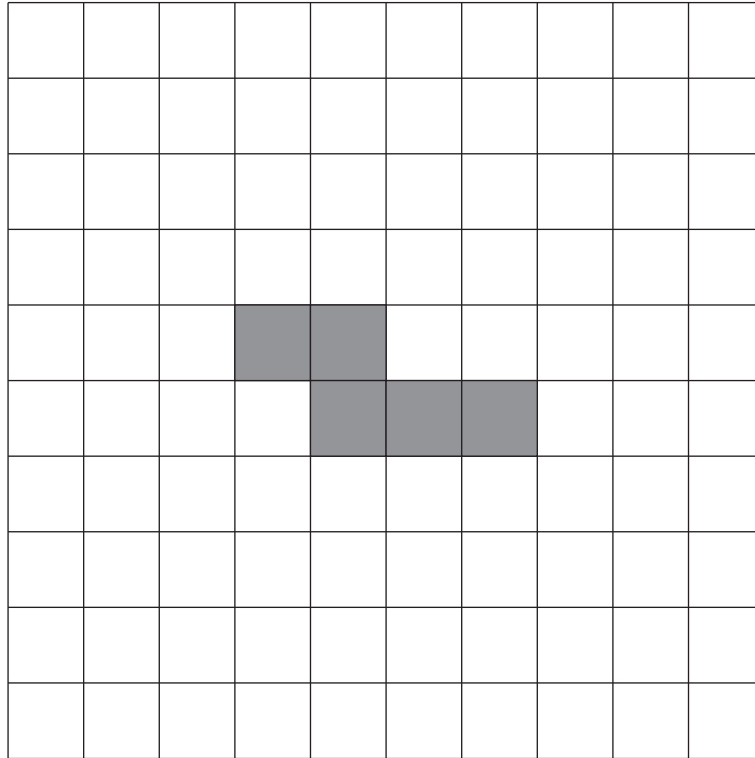


Write **in figures** the next number in the sequence.

..... [1]

17 This shape is translated 3 squares up and 2 squares to the right.

Draw the shape in its new position.



[1]

18 Draw a ring around **all** of the numbers that equal 9 when rounded to the nearest whole number.

8.07

8.8

9.45

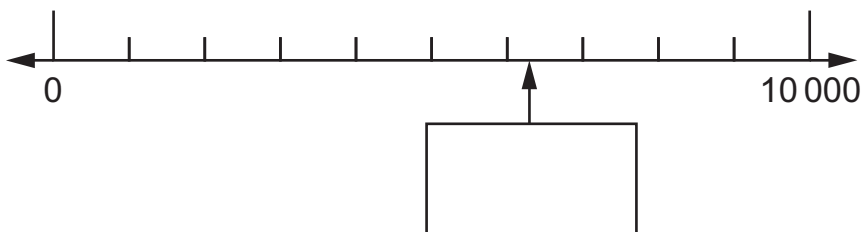
8.2

9.54

8.54

[1]

19 Here is a number line.



Estimate the number marked by the arrow.

[1]

20 What percentage of this shape is shaded?



.....% [1]

21 A builder has 2960 bricks.



He uses 1994 bricks to build a wall.

How many bricks does he have left?

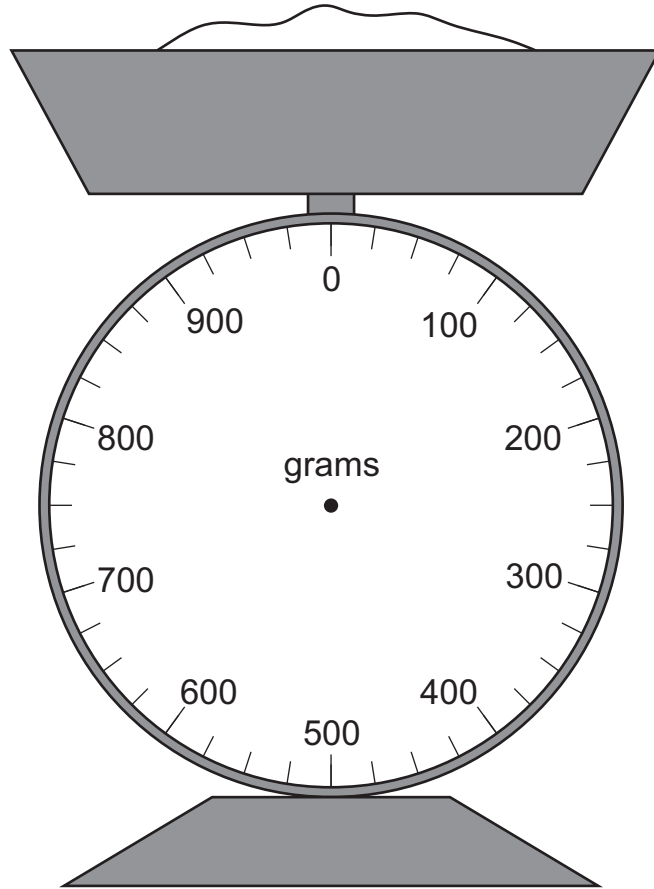
.....bricks [1]

22 Calculate 17.8×4

..... [1]

23 Mary weighs 650 grams of flour.

Draw an arrow (↓) on the scale to show 650 grams.

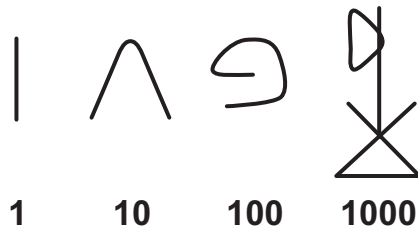


[1]

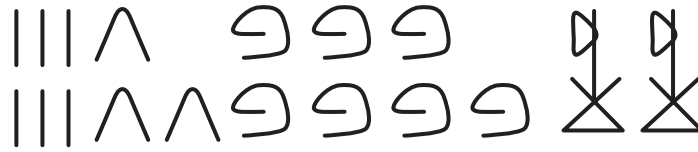
24 How many \$10 notes make \$9000?

..... [1]

25 The ancient Egyptians used these symbols to represent numbers.



(a) Which number is represented by these symbols?

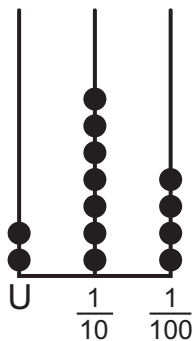


..... [1]

(b) Write 1342 using Egyptian symbols.

[1]

26 Write the decimal number shown on the abacus.

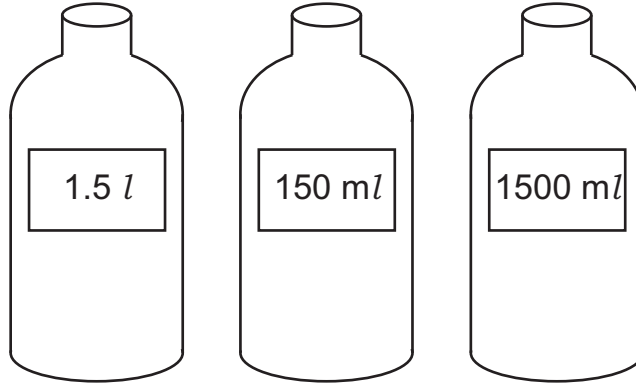


..... [1]

27 Here are three bottles.

Two bottles contain the same amount of liquid.

Put a cross (×) on the bottle that contains a different amount.



[1]

28 Katie measures the mass of 15 different cherries.

Here are her results in grams.

10 12 9 11 9 6 15 12 13 11 11 10 12 11 14

Use her results to find

(a) the range

..... grams [1]

(b) the mode

..... grams [1]

29 Here are five digit cards.

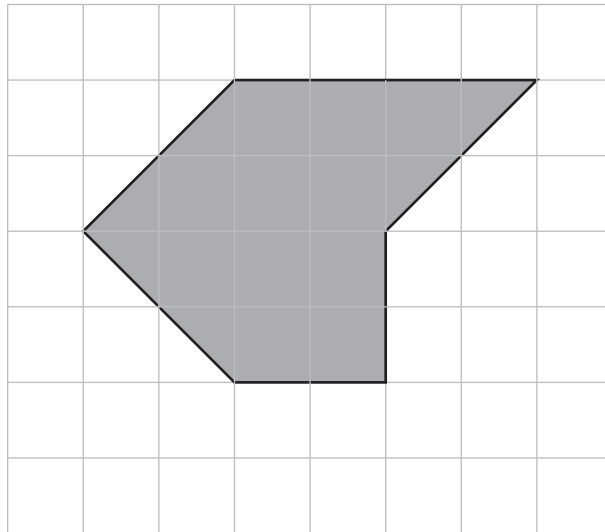


Use four of these cards to make this statement correct. No card can be used twice.

$$\frac{\square}{\square} = \square.\square$$

[1]

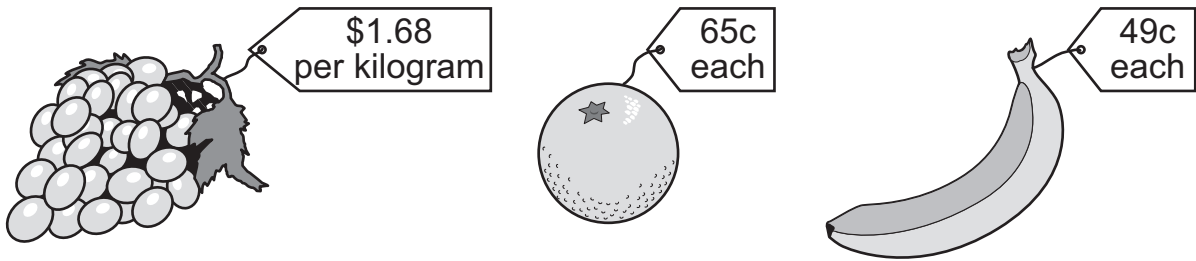
30 Here is a polygon on a 1 cm square grid.



What is the **area** of this shape?

..... cm² [1]

31 Khalid buys a kilogram of grapes, 2 oranges and a banana.



(a) How much is the total cost?

\$ [1]

(b) How much change would Khalid get from a \$10 note?

\$ [1]

32 The difference in temperature between two towns is 6°C .

The temperature in one of the towns is 2°C .

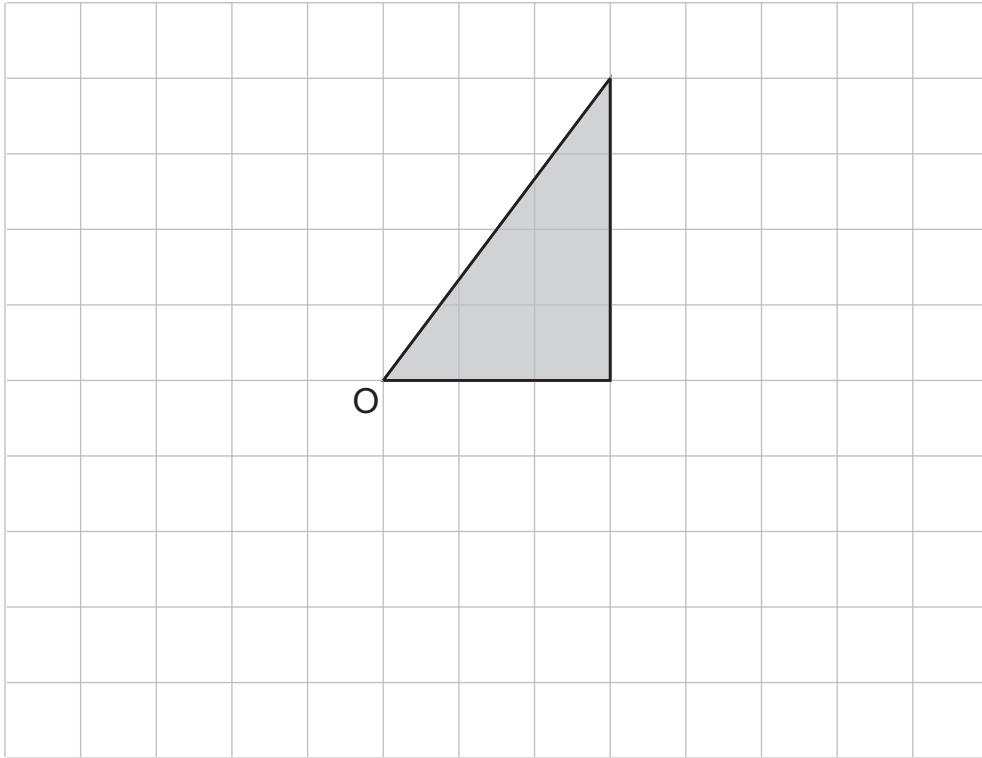
Write the two possible temperatures for the other town.

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

33 Here is a triangle on a grid.

The triangle is rotated 90° clockwise about point O.

Draw the triangle in its new position.



[2]

34 Amira has broken her calculator.

She knows that $26 \times 15 = 390$

Show how she can use **this fact** to work out 13×15

.....

.....

.....

[1]

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge International Examinations Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cie.org.uk after the live examination series.

Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.