Cambridge Primary Checkpoint

Cambridge International Examinations
Cambridge Primary Checkpoint

CANDIDATE NAME	
CENTRE NUMBER	
CANDIDATE NUMBER	

3055491670

MATHEMATICS **0845/01**

Paper 1 **October 2017**

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.
NO CALCULATOR 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 **16** printed pages.

CAMBRIDGE International Examinations

1 Calculate 406 – 398

..... [1]

2 Write 647 rounded to the nearest 10

..... [1]

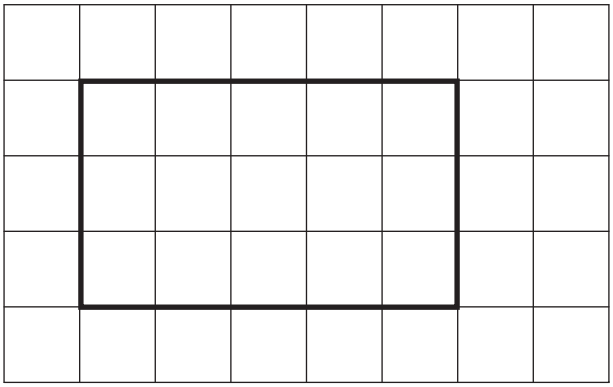
3 The table shows the number of people visiting a cinema over four days.

Monday	426
Tuesday	765
Wednesday	632
Thursday	567

Calculate the total number of people who visited the cinema over the four days.

..... people [1]

4 Here is a rectangle drawn on a centimetre square grid.



Find the perimeter of the rectangle.

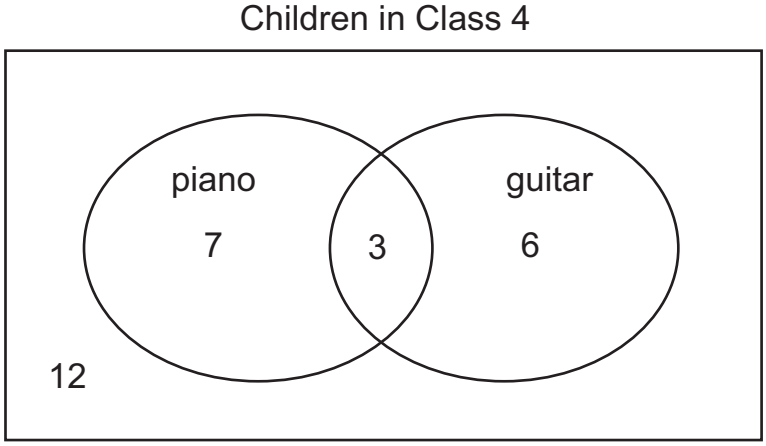
..... cm [1]

5 Draw a ring around two numbers that **total** 100

34 36 43 56 64 67

[1]

6 The Venn diagram shows the number of children in Class 4 that play the piano and the guitar.



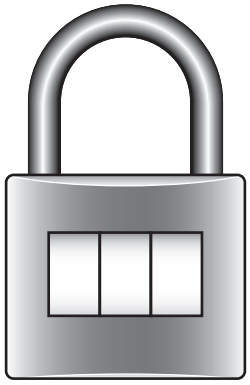
(a) How many children in Class 4 play the guitar?

..... children [1]

(b) How many children are in Class 4?

..... children [1]

7 Oliver chooses three digits for his lock.

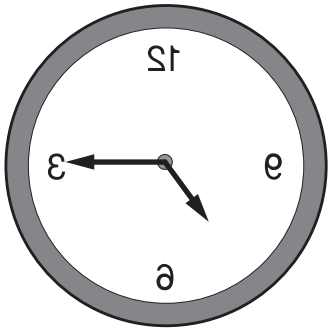


He uses each of the digits 7, 6 and 3 once.

List **all** the three-digit numbers he could choose.
Write them in order from largest to smallest.

largest ..... smallest [2]

8 Youssef sees a clock in a mirror.



What is the time shown on the clock?

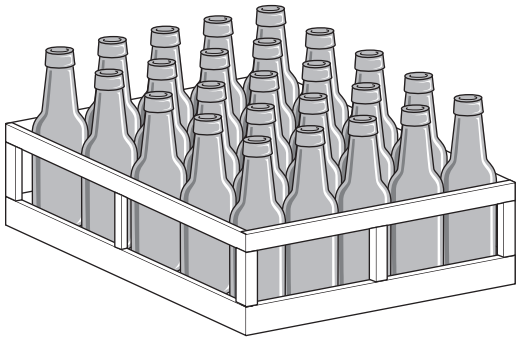
..... [1]

9 Write the missing number in each box.

(a) 924 → 100 more → ☐ [1]

(b) ☐ → 1000 more → 20 140 [1]

10 A crate holds 25 bottles.



How many crates are needed to hold 106 bottles?

.....crates [1]

11 Mia and Safia use some metre sticks to measure the height of a classroom door. It takes two and a quarter sticks.

Write the height of the door in metres using the decimal point.

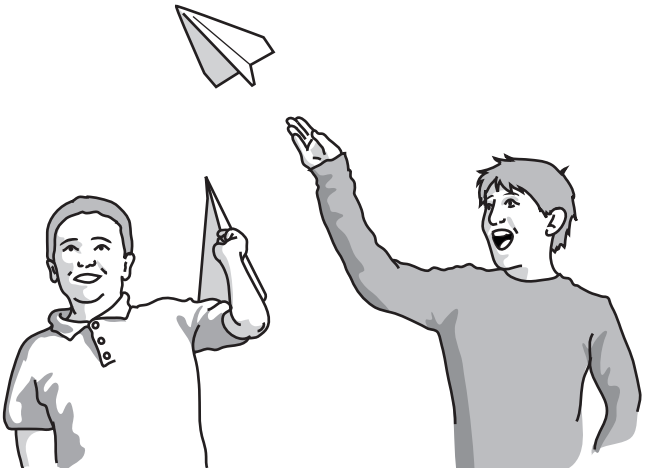
..... • .....metres [1]

12 Carlos cuts a melon into 8 equal slices.
He gives 5 slices to his friends.

What **fraction** of the melon does he have left?

..... [1]

13 Pierre and Mike have paper planes.



Pierre's plane flies 3.8 m.
Mike's plane flies 1.5 m further.

How far does Mike's plane fly?

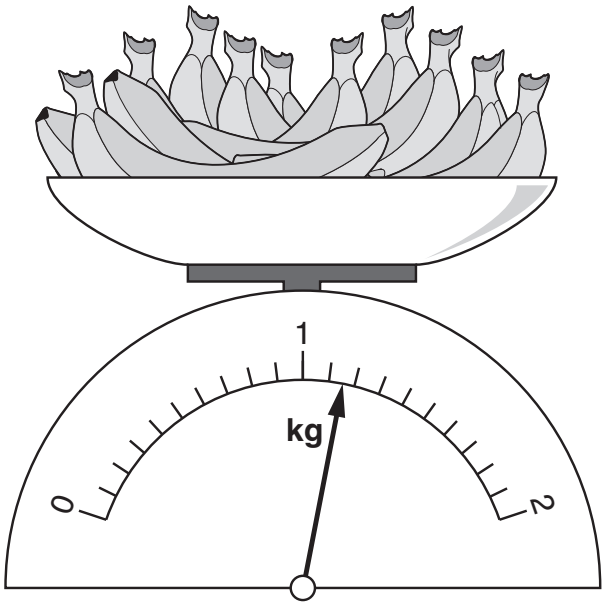
..... m [1]

14 Draw a ring around the number which is two more than –25

–50 –28 –27 –23 –22

[1]

15 Here is a scale showing the mass of some bananas.

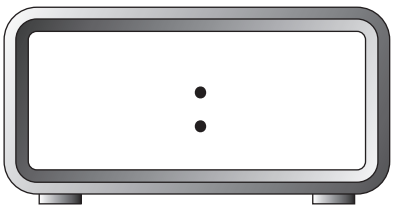


What is the mass of the bananas?

..... kg [1]

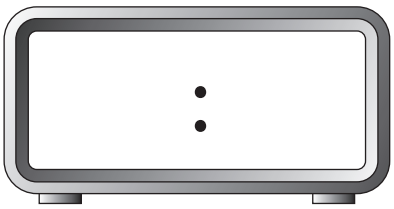
16 This is a 24-hour digital clock.

(a) What did the clock show two and a half hours **earlier**?



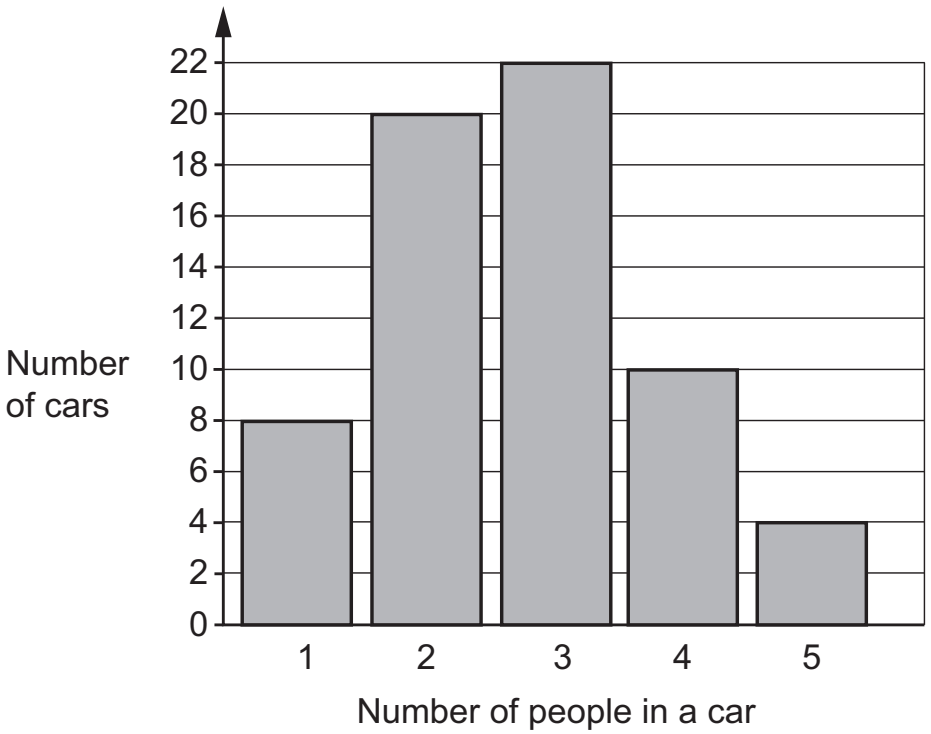
[1]

(b) What will the clock show 45 minutes **later**?



[1]

17 The graph shows information about the number of people in 64 different cars.



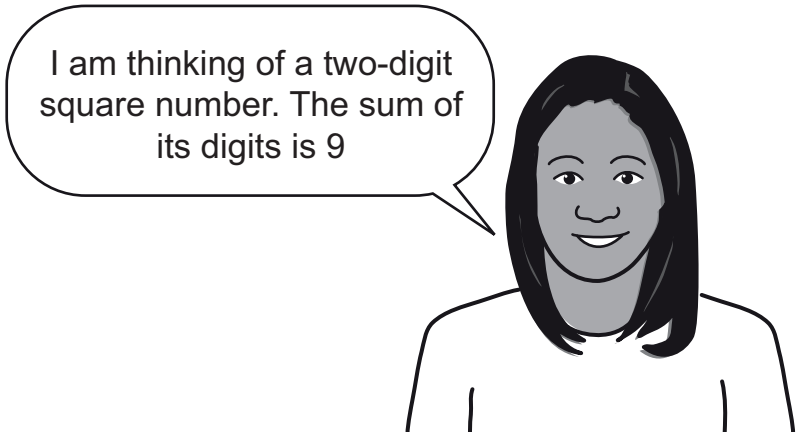
(a) What is the mode of people in a car?

..... [1]

(b) How many cars have **more than** 3 people in them?

..... cars [1]

18 Jamila says,



Which square number could Jamila be thinking of?

..... [1]

19 Draw a ring around the fraction that is given in its simplest form.

$\frac{4}{8}$ $\frac{6}{8}$ $\frac{3}{4}$ $\frac{9}{12}$ $\frac{2}{8}$

[1]

20 Angelique can run twice as fast as Blessy.
Blessy runs a race in 3 minutes and 16 seconds.

How long will Angelique take?

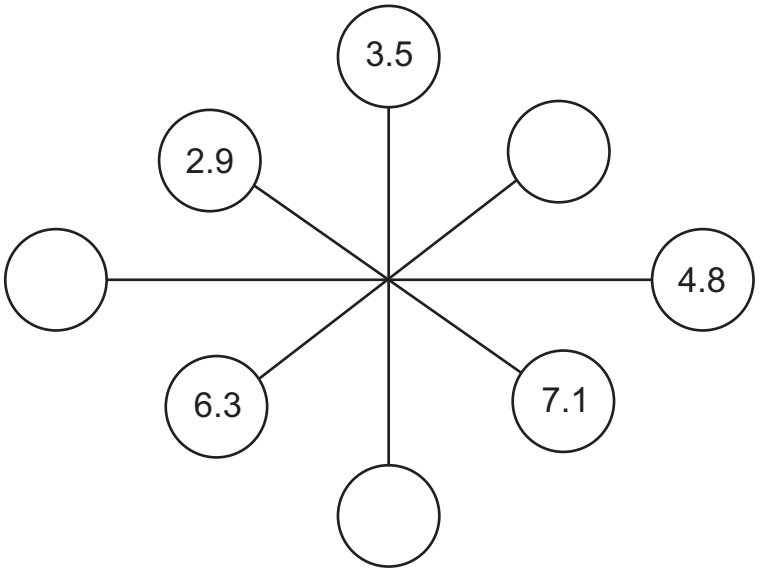
..... minute(s) ..... second(s) [1]

21 Rajiv has a bag with 10 green and 6 red balls.
He adds 3 more green balls to the bag.

How many red balls must he add to make the probability of picking a green or a red ball **equally likely**?

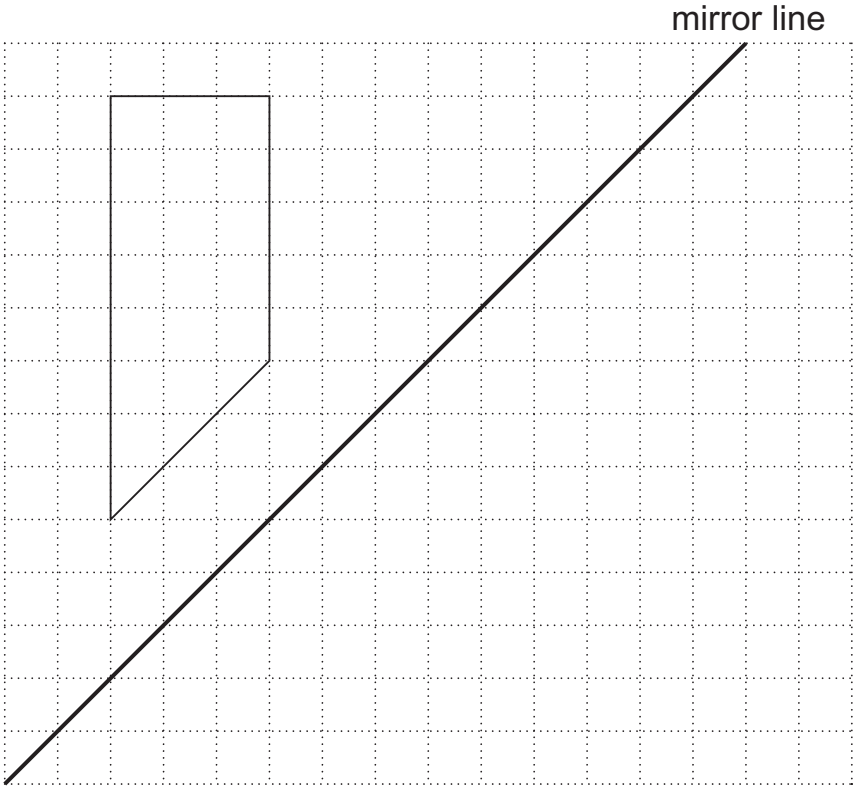
..... red balls [1]

22 Complete the diagram so that each line totals 10



[1]

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



[1]

24 Calculate the difference between double 27 and half of 96

..... [1]

25 Here are some number sentences.

Write **true** if the number sentence is correct.
Write **false** if it is not correct.
The first one has been done for you.

6.25 × 10 = 62.5	true
625 ÷ 10 = 6.25	
0.625 × 100 = 625	
6250 ÷ 100 = 62.5	

[1]

26 Write the next three terms in the sequence.

The sequence continues in the same way.

2.6 2.3 2.0 .... [1]

27 Draw a ring around each multiplication that gives the answer 3600

20 × 1800 60 × 60 400 × 90 30 × 120

[1]

28 Write these numbers in order starting with the smallest.

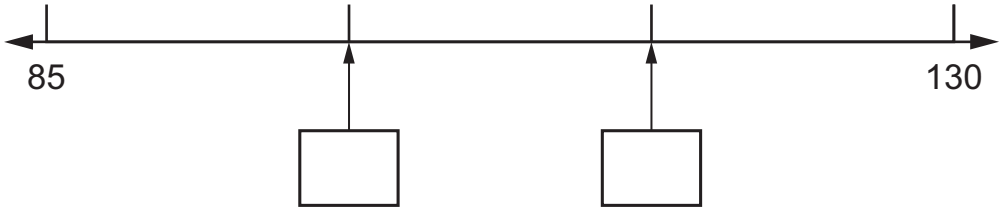
2.35 2.95 2.06 2.6 2.4

....

smallest largest

[1]

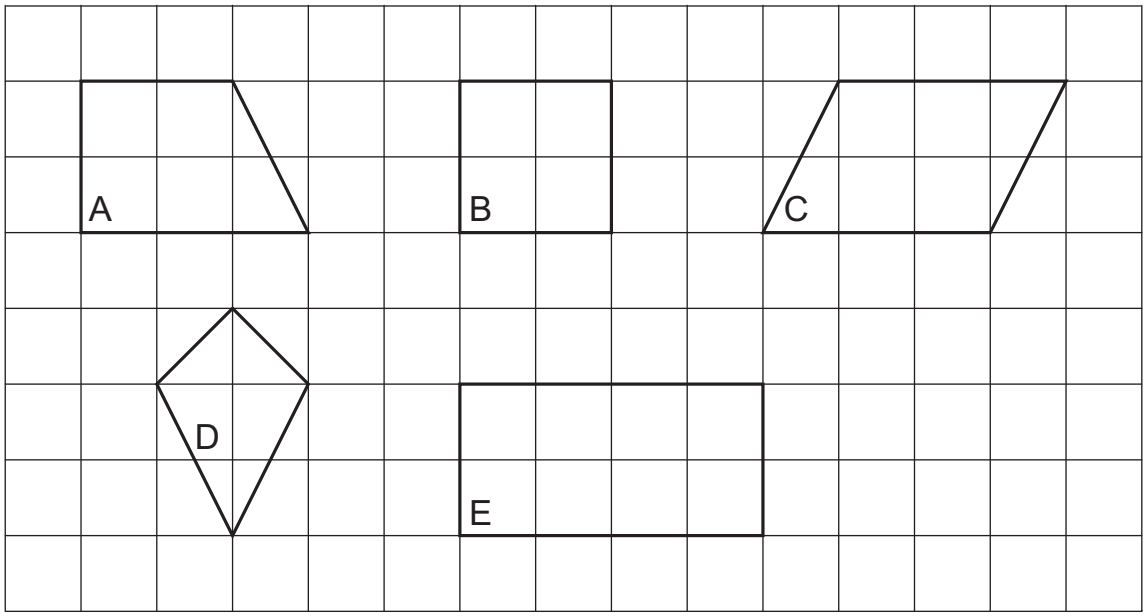
29 Here is a number line.
Four numbers are equally spaced on the line.



Fill in the missing numbers.
You must show your working.

[2]

30 Here are the drawings of five quadrilaterals on a grid.

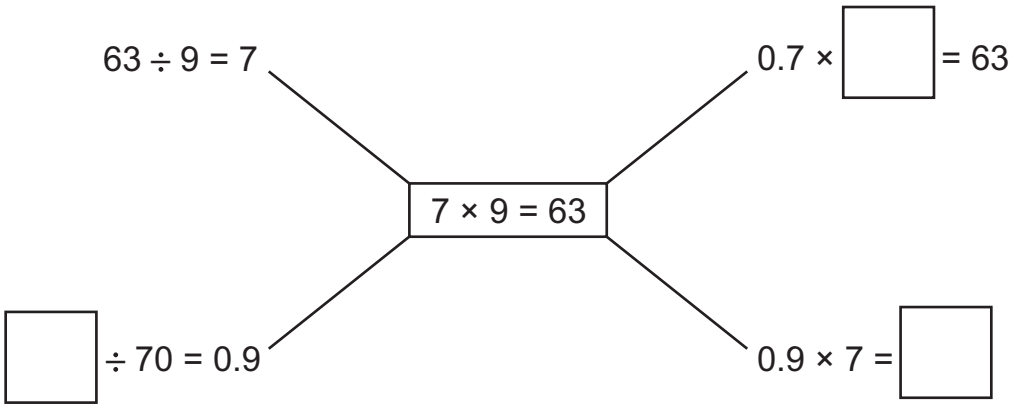


Use each letter **once** to complete the table.

Shape	Description
	An irregular quadrilateral with four right angles
	A quadrilateral with no parallel sides
	A quadrilateral with only one pair of parallel sides
	A regular quadrilateral
	A quadrilateral with two pairs of parallel sides but no perpendicular sides

[2]

31 Use the fact that 7 × 9 = 63 to complete the diagram.



[2]

32 Draw a ring around the number which is halfway between $\frac{1}{2}$ and $\frac{3}{4}$

$\frac{9}{16}$ $\frac{2}{3}$ $\frac{3}{8}$ $\frac{5}{8}$

[1]