



Cambridge Primary Checkpoint

CANDIDATE
NAME

--

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--



MATHEMATICS

0845/02

Paper 2

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 may 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 Mike has his birthday in June.

The date is a multiple of 4

The date is also a multiple of 10

What is the date of Mike's birthday?

..... [1]

- 2 Here are four digit cards.



Use each digit to write a fraction and a decimal equivalent to $\frac{5}{10}$

$$\frac{5}{10} = \frac{\boxed{}}{\boxed{}} = \boxed{}.\boxed{}$$

[1]

- 3 Use the digits 4 and 5 only to complete this calculation.

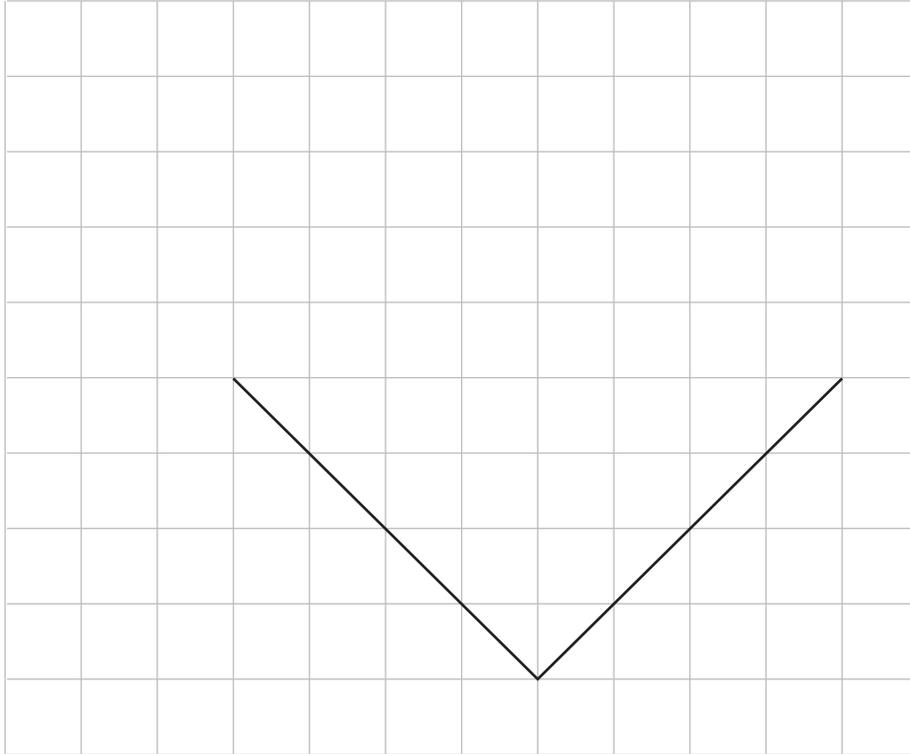
You may use the digits more than once.

$$\boxed{}\boxed{}\boxed{} + \boxed{}\boxed{}\boxed{} = 1000$$

[1]

4 Here is part of a shape drawn on a grid of squares.

Draw two more lines to make the shape a square.

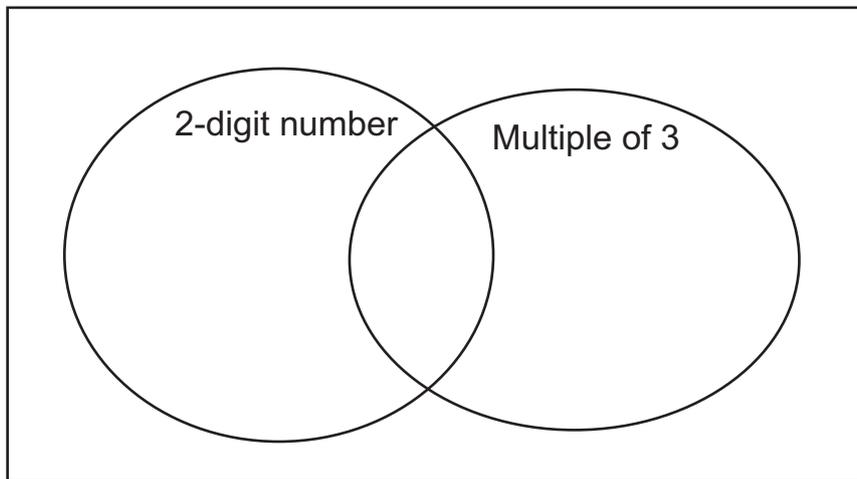


[1]

- 5 The four symbols     represent different numbers.
Oliver uses this Carroll diagram to sort the numbers.

	2-digit number	Not a 2-digit number
Multiple of 3		
Not a multiple of 3		

Complete this Venn diagram using the four symbols.



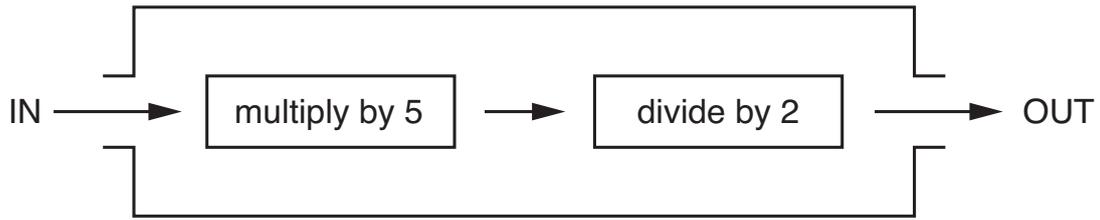
[2]

- 6 Jamila is counting forwards in tens from 5715
Mia is counting backwards in ones from 7500
Tick (✓) the numbers they will **both** say.

6005 6500 7055 7905

[1]

7 Rajiv puts a number into this machine.



The result is 50

What number did Rajiv put into the machine?

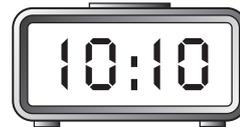
..... [1]

8 Complete the time on the digital clocks.

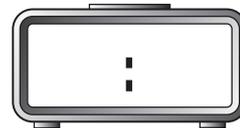
One has been done for you.



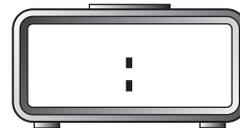
=



=



=



[1]

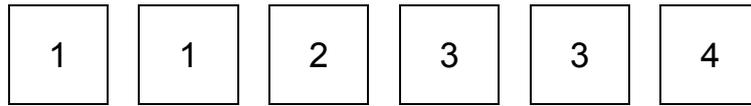
9 Here is a number line.



Estimate the number shown by the arrow.

..... [1]

10 Here are some digit cards.



Arrange the digit cards to make the largest possible even number.

..... [1]

11 What does the 3 represent in the number 417.36?

Draw a ring around the correct answer.

3 hundreds

3 hundredths

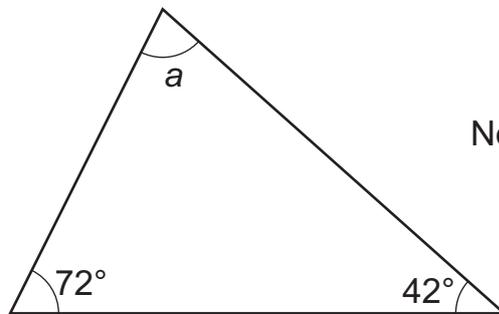
3 tens

3 tenths

3 units

[1]

12 Calculate the size of angle a .



Not drawn to scale

.....° [1]

13 Here is a straight line.

Measure the length of the line.

Give your answer in **millimetres**.



.....mm [1]

14 Draw a line to join each statement to the correct answer.

even + even + even =

even

odd – even – even =

even – odd + odd =

odd

odd + odd + odd =

[2]

15 Here is part of a calendar for May.

May						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Hassan's birthday is on 5 June.

On what **day of the week** is his birthday?

..... [1]

16 Here are some number facts.

$$17 \times 10 = 170$$

$$17 \times 5 = 85$$

$$17 \times 1 = 17$$

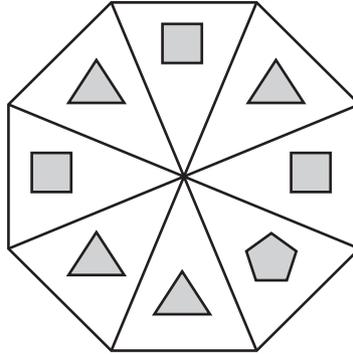
Use **these facts** to complete the calculation.

$$17 \times 17 = \boxed{} + \boxed{} + \boxed{} + \boxed{} = \boxed{}$$

[2]

17 Here is a fair eight-sided spinner.

It has different shapes on it.



Draw lines to show how likely these outcomes are when it is spun once.

a triangle

impossible

a shape with 3 or more sides

unlikely

a hexagon

even chance

a square

likely

certain

[2]

18 Yuri is finding two-digit numbers that have **exactly six** factors.

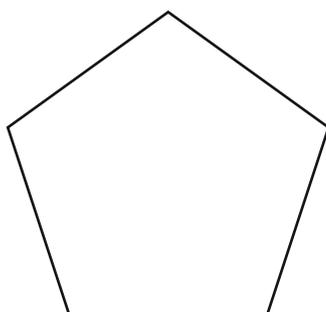
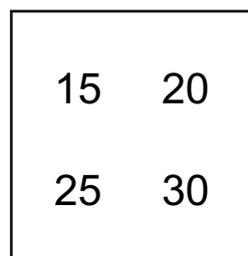
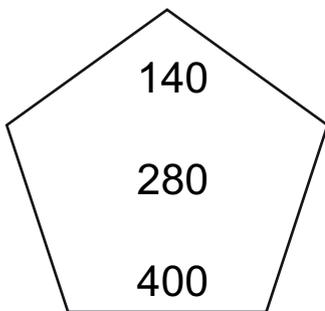
The table shows some of his answers, but some are hidden.

Write the missing numbers in the boxes.

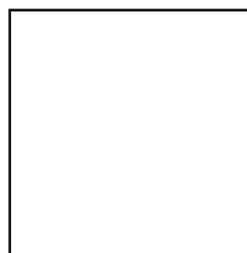
Two-digit number	Factors
28	1, 2, 4, 7, 14, 28
18	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/>	1, 2, 3, 4, 

[2]

19 Choose a number from each box to complete the calculation.



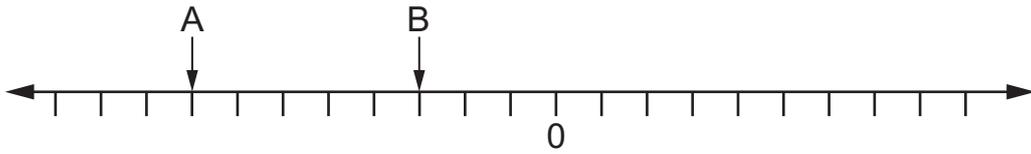
÷



= 14

[1]

20 Here is part of a number line.



The difference between A and B is 10

(a) C is another number on this line.

The difference between B and C is 20

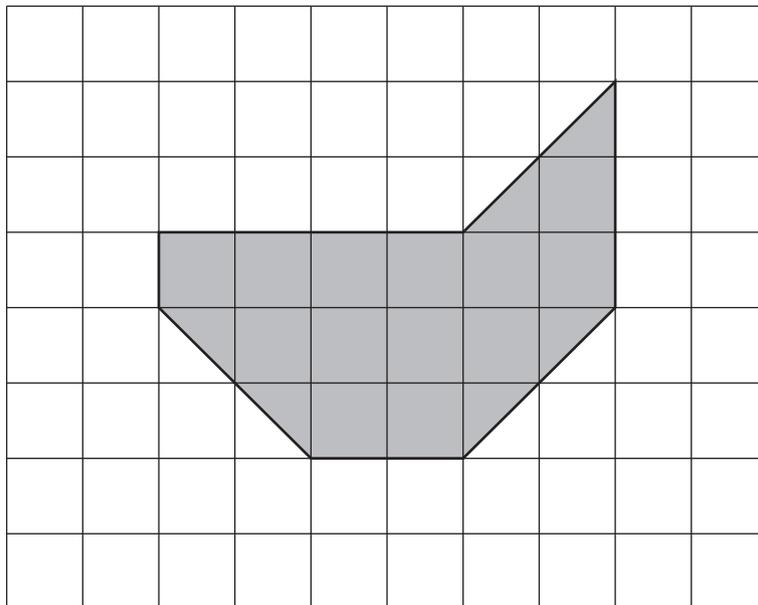
Draw an arrow to mark C.

[1]

(b) What is the value of A?

..... [1]

21 Here is a shaded shape on a 1 cm square grid.



What is the area of the shape?

..... cm² [1]

22 Write a different **prime** number in each box to make this calculation correct.

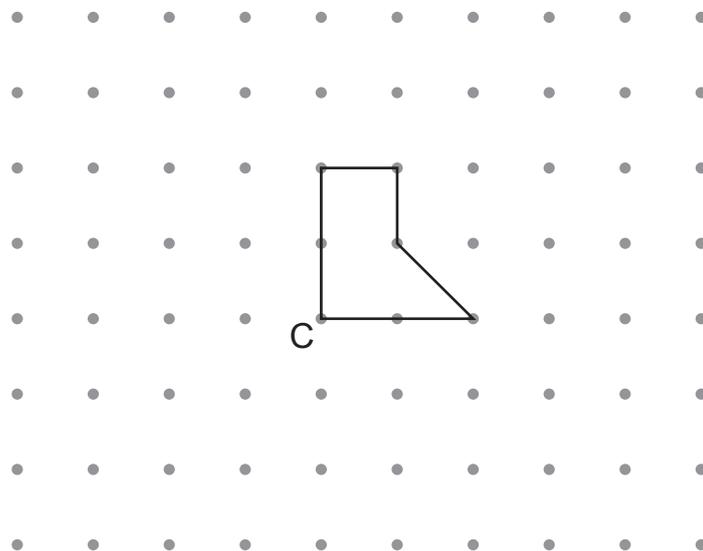
$$\square \times \square \times \square = 110$$

[1]

23 Here is a shape drawn on a dotted grid.

The shape is rotated 90° clockwise around the vertex marked C.

Draw the new position of the shape.



[2]

24 Blessy has five digit cards that total 17

The **range** of the five cards is 4

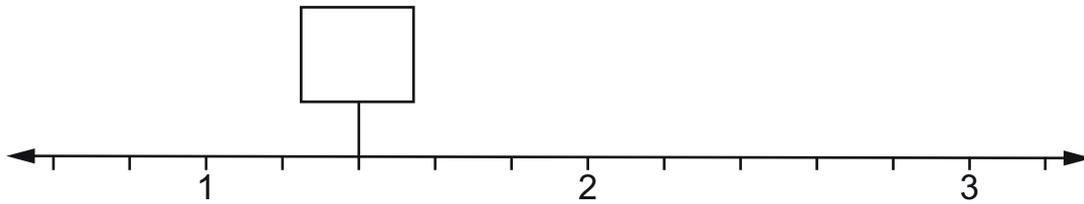
The **mode** of the five cards is 2

Write the missing digit on each card.

--	--	--	--	--

[2]

25 Here is part of a number line.



Write the missing **mixed number** in the box.

[1]

26 There will be 60 people at a party.

Each person will use one cup and one plate.



How much will it cost to buy cups and plates for all the people at the party?
Show your working.

\$ [2]

27 Write each fraction in its simplest form.

Fraction	Simplest form
$\frac{16}{20}$	
$\frac{6}{20}$	
$\frac{15}{20}$	

[2]

- 28** Anastasia is counting in steps of $\frac{2}{3}$
She starts at 0



Draw rings around all the numbers that Anastasia says.

2 $4\frac{2}{3}$ 5 $6\frac{1}{3}$ 10

[1]

- 29** Write these measurements in order starting with the smallest.

3200 m 4.5 miles 6.4 km 1.5 miles

5 miles is approximately 8 kilometres

.....
smallest largest

[1]

- 30** Double 69 is 138

Explain how to use this fact to double 0.69

..... [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 Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

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