

Cambridge International Examinations

Cambridge Primary Checkpoint

CANDIDATE NAME								
CENTRE NUMBER					CANDID NUMBEI			

0845/02 **MATHEMATICS**

Paper 2 April 2017

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen Protractor Calculator Pencil

Ruler 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.

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 12 printed pages.



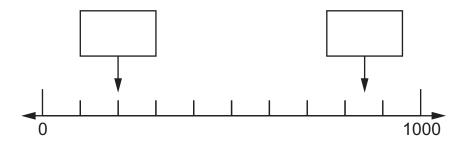


[Turn over

Assembled by N.S.

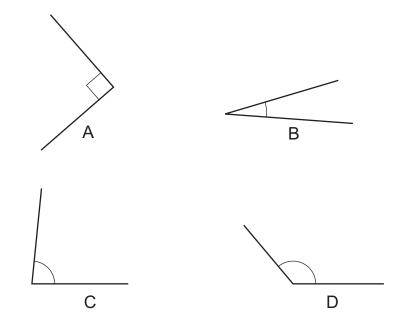
181/745

1 Write the missing number in each box.



[2]

2 Here are some angles.



Write the angles in order from smallest to largest.

smallest largest

[1]

3 Write the missing number in the box.

[1]

4 Complete the table of equivalent fractions and decimals.

Fraction	Decimal
1/2	0.5
	0.75
63 100	

[1]

5 Class 4A and Class 4B did a bug survey.

Here are their results.

Class 4A

represents 5 bugs

Ant

Caterpillar

Fly

Snail

Spider

Class 4B

	represents 10 bugs
Ant	OO (
Caterpillar	©
Fly	Q (
Snail	©
Spider	OO

(a) How many ants did Class 4B find?

ants	[1]

(b) Oliver says, "Class 4A found more spiders than Class 4B."

Explain why he is wrong.

6	Carlos takes a photograph of a toy.	
	In the photograph, the length of the toy is $\frac{1}{6}$ the length of the real toy.	
	(a) The real toy is 12 cm tall.	
	How tall is the toy in the photograph?	
	cm	[1]
	(b) The toy is 6 cm long in the photograph.	
	How long is the real toy?	
	cm	[1]
7	2005 people visit a museum in August.	
	1997 people visit the same museum in September.	
	How many more people visit in August than in September?	
	people	[1]
8	Find these numbers.	
	6709 rounded to the nearest 10 is 6709 rounded to the nearest 100 is	
	6709 rounded to the nearest 1000 is	[2]
		[-]

9	9 Use the digits 1, 3, 5 and 9 to complete the calculation.							
	Each digit car	only be used	d once.					
			×		=	1395		
							[1]	
10	Which of thes	e times is clo	sest to 4 o'd	clock i	n the aftern	oon?		
	Draw a ring a	round your ar	iswer.					
		4:35 pm	14:05	(04:17	16:25		
							[1]	
11	Here are six r	numbers.						
	35 055	35 050	35 500					
	35 550	35 005	35 505					
	Choose one of	of these numb	ers to comp	olete tl	nis inequali	ty.		
				>	35 505			
	Choose anoth	ner one of the	se numbers	to co	mplete this	inequality.		
				<	35 050			
							[1]	

2	Alko says that the number 342 is divisible by 5
	Explain why she is wrong.
	L1

13 Two children take part in a sponsored read.

Here are their start and finish times.

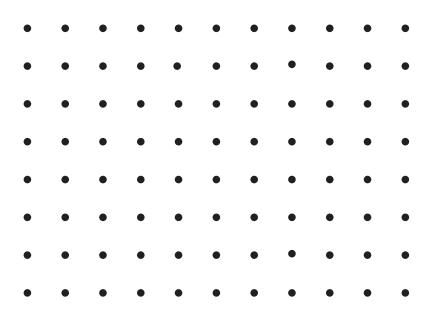
	Start	Finish
Pierre	09:15	10:58
Chen	09:35	11:28

How much longer did Chen read for than Pierre?

minutes	[1]

14 Here is a 1 cm grid.

Join dots to make a rectangle with an area of 18 cm².



[1]

15	Draw a	a rina	around the	e number	that is a	common	multiple	of 6	and 8	8
. •	DIGIT C	a : ::::::::::::::::::::::::::::::::::	around tri	<i>-</i>	ti iat io d		manapio	O. 0	alla '	·

14

24

34

42

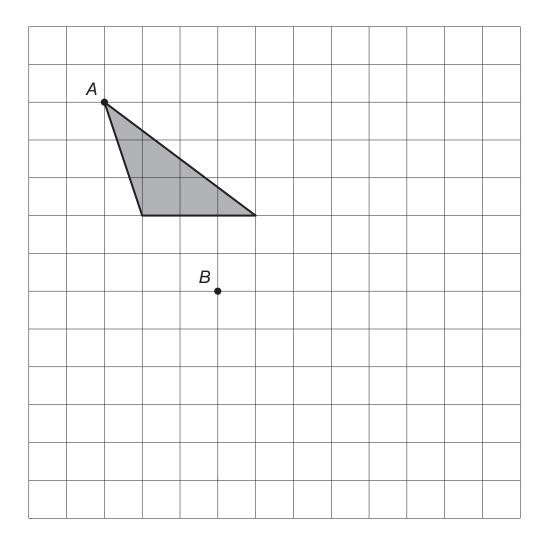
54

[1]

16 Here is a triangle on a square grid.

The triangle is translated so that point *A* moves to point *B*.

Draw the triangle in its new position.



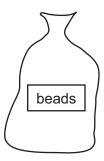
[1]

17 Write all the prime numbers between 10 and 20

[2]

18 A bag contains 10 red beads and 10 blue beads.

Ahmed removes 9 red beads from the bag.



Ahmed takes another bead from the bag.

What is the likelihood of him taking another red bead?

Draw a ring around the correct answer.

impossible unlikely even chance likely certain

[1]

19 Class 6 visit a museum.

There are 22 children in class 6

4 adults go with them.

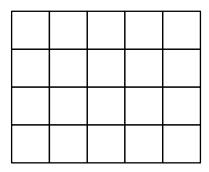
Entrance to the museum costs \$2.75 for children and \$4.60 for adults.

What is the total cost of the visit?

Show your working.

\$ [2]

20 Here is a rectangle.



(a) Shade 10% of the rectangle.

[1]

(b) In a different rectangle Blessy shades 30%.

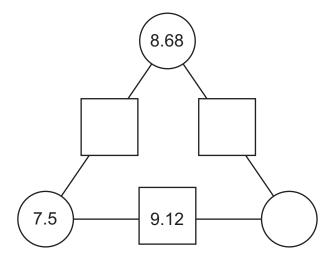
What fraction of Blessy's rectangle is not shaded?

[1]

21 In the diagram the sum of the numbers in the circles is written in the square.



Use the same rule to complete this diagram.

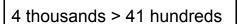


[2]

22	Horo	aro	como	statemen	ıte
ZZ	пете	aie	Some	Sialemer	IIS.

Write **true** if the statement is correct.

Write **false** if it is not correct.







23 Write the same number in each box.

[1]

[1]

24 Here is a parallelogram.



(a) What is the length of the shortest side to the nearest centimetre?

cm	1]
----	---	---

(b) What is the length of the longest side to the nearest millimetre?

	- 4 -
mm	[1]

25	Complete	the	following	sentences
	Complete		10110111119	00111011000

A tetrahedron has _____ faces.

A cuboid has _____ vertices.

A square-based pyramid has _____ edges.

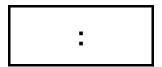
[2]

26 This clock is at a Sydney train station in Australia.

04 : 35

It is 7 hours earlier in Helsinki.

Write the time shown on a clock in Helsinki.



[1]

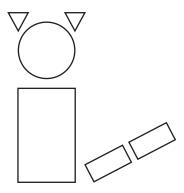
27 Write the missing numbers.

$$36 \div 5 = 7 \frac{1}{\boxed{}}$$

$$74 \div 10 = 7 \frac{}{5}$$

[1]

28 Hassan makes a picture of a cat using 6 tiles.



He makes more of these cats.

He uses 36 triangular tiles.

How many of these cats does he make?

cats	[1]

29 A one cent coin has a mass of 3.5 grams.

A bag of one cent coins has a mass of 2.17 kg.

How much money is in the bag?

Show your working.

\$ [2]

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