



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
Cambridge Primary Checkpoint

CANDIDATE  
NAME

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CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**MATHEMATICS**

**0845/02**

Paper 2

**For Examination from 2012**

SPECIMEN PAPER

**45 minutes**

Candidates answer on the Question Paper.

Additional Materials:

Pen  
Pencil  
Ruler

Protractor  
Calculator

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on the work you hand in.  
Write in dark blue or black pen.

Answer **all** questions.

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.

For Examiner's Use	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
<b>Total</b>	

This document consists of **14** printed pages.

1 Look at these cards.

A	Thirty thousand four hundred
---	------------------------------

B	Thirty-four thousand
---	----------------------

C	Three thousand four hundred
---	-----------------------------

D	Thirty-three thousand four hundred
---	------------------------------------

E	Thirty-three thousand and forty
---	---------------------------------

Write the correct letter of the card by the correct number.

(a) 

3400

 [1]

(b) 

30400

 [1]

2 Here are some numbers.

107

100

55

120

115

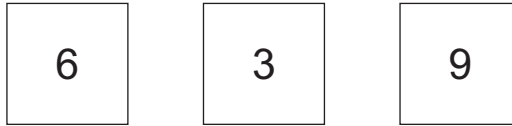
Each number is divided by 5.

Only one number has a remainder. What is the remainder?

remainder .....

[1]

3 Look at these digit cards.



Use each card **once** to make the **smallest even** number.

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[1]

4 Here are some numbers.

1      2      3      3      4      5

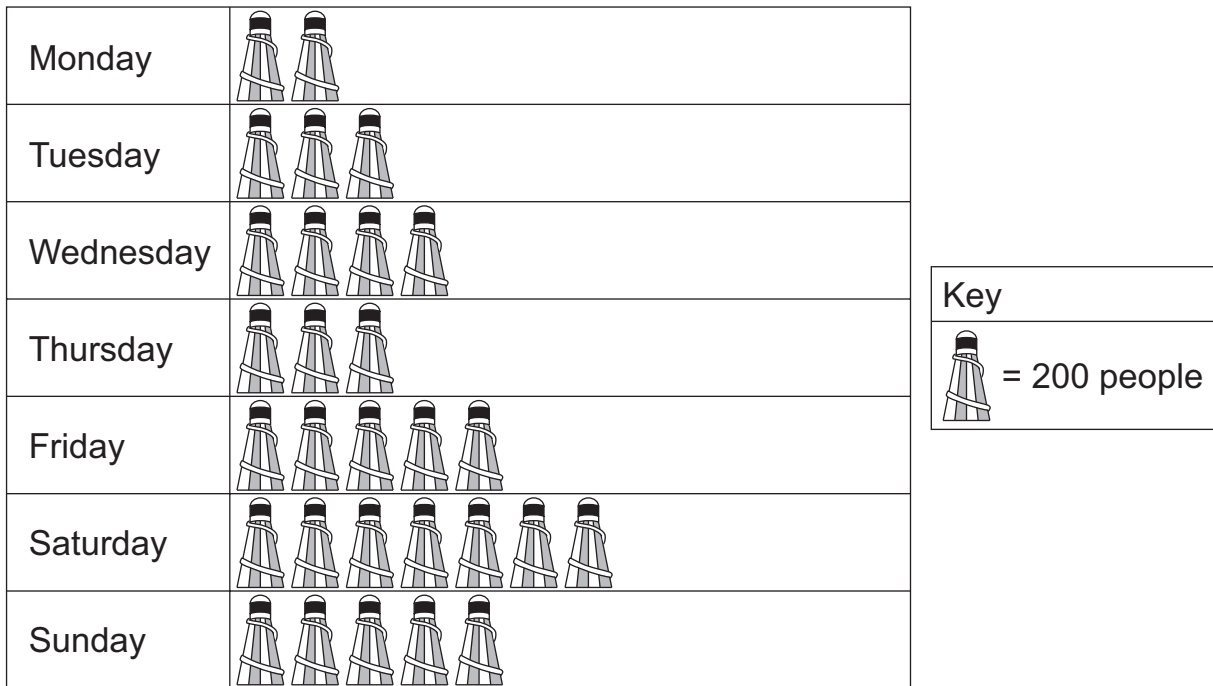
Use each number **once** to complete the two sums.

$$\square + \square = \square$$

$$\square + \square = \square$$

[1]

- 5 This pictogram shows how many people go to a park each day during one week.



- (a) How many **more** people go to the park on Saturday than go on Monday?

..... [1]

- (b) A ticket for the park costs \$10.

How much money did the park take on Monday?

\$ ..... [1]

- 6 Write in the missing numbers.

(a)  $22 \times \square = 176$  [1]

(b)  $\square \div 10 = 23$  [1]

7 Here are some angle cards.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
120°	1 right angle	60°	half a right angle	180°

Order these angles starting with the smallest angle.

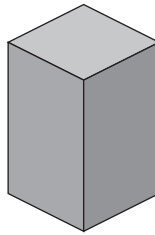
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**smallest**

**largest**

[1]

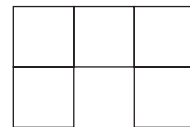
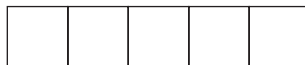
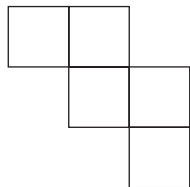
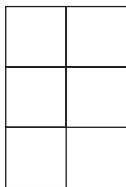
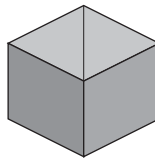
8 (a) Here is a drawing of a 3D shape.



What is the name of this shape?

..... [1]

(b) Tick (✓) the net which will fold to make a box without a lid.



[1]

9 Circle the number that is closest to 350.

375                  309                  355                  346                  361

[1]

10 Mario collects information about the students in his class.

He draws a Carroll diagram to show his results.

	Left-handed	Right-handed
Glasses	1	8
No glasses	4	15

(a) How many students are right-handed?

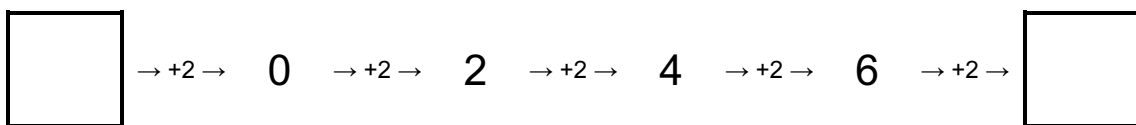
..... [1]

(b) How many students wear glasses?

..... [1]

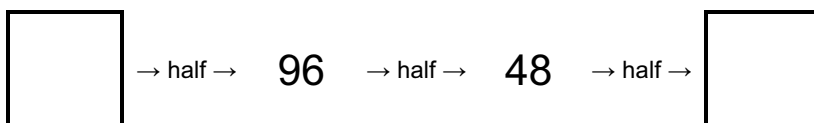
11 Here are two different number sequences.

(a) Write in the missing numbers.



[1]

(b) Complete the number sequence.



[1]

12 Complete these calculations.

$$(4 + 5) \times (9 - 7) = \dots\dots\dots [1]$$

$$4 + (5 \times 9) - 7 = \dots\dots\dots [1]$$

13 Here are some number cards.

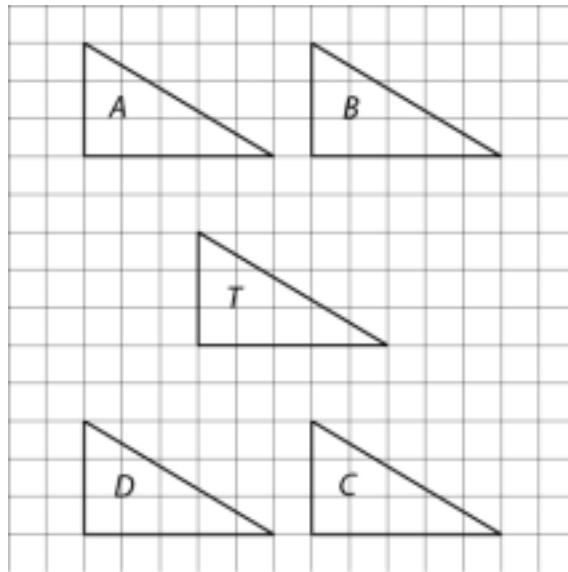


Use all six number cards **once** to make this calculation correct.

$$\begin{array}{r}
 \square \bullet \square \square \\
 \square \bullet \square \square + \\
 \hline
 4 \bullet 7 \quad 1
 \end{array}$$

[1]

14 Here are five triangles on a grid.

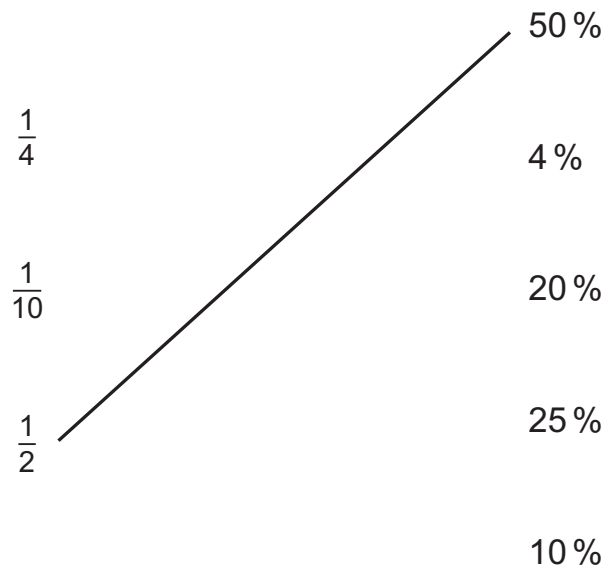


Which triangle shows triangle  $T$  after a translation of 3 squares right and 5 squares down?

..... [1]

15 Draw a line to join each fraction to a percentage of the **same value**.

The first one has been done for you.



[1]



16 Here are three signs.

= < >

Choose the correct sign to put in each box.

(a)  $144 \times 4$    $24 \times 24$  [1]

(b)  $81 \times 7$    $36 \times 16$  [1]

17 A builder needs 8400 bricks to build a wall.

There are 500 bricks in a pack.

How many packs must the builder buy?

..... packs [1]

18 Complete this calculation in two different ways.

Write only one digit in each box.

(a)    $\times$   = 324 [1]

(b)    $\times$   = 324 [1]

19 Here are some numbers.

5.56

5.6

5.66

5.5

5.65

Order these numbers starting with the **smallest**.






**smallest**

**largest**

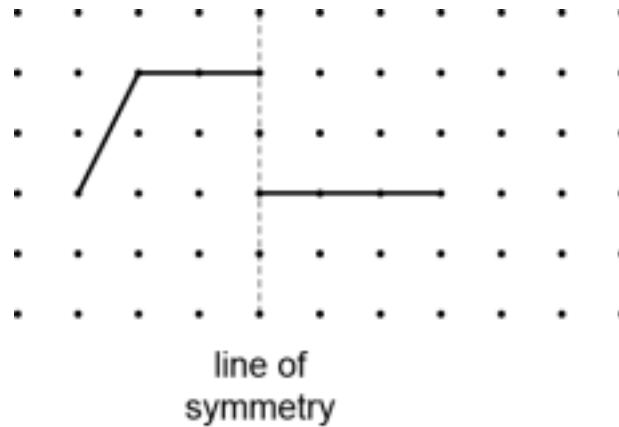
[1]

20 Write the **same** number in each box to make this statement correct.

$$\square \times \square = 81$$

[1]

21 Keisher is drawing a symmetrical quadrilateral. Complete her drawing.



[1]

22 Abdul is making a lemon drink.

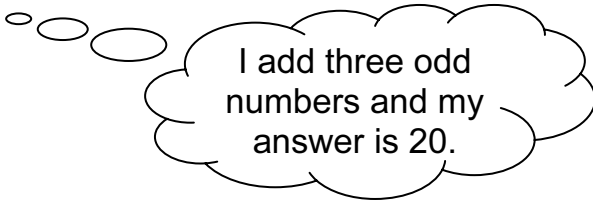
He mixes 9 parts of water with 2 parts of lemon juice.

He uses 100 ml of lemon juice.

How much water does he use?

.....ml [1]

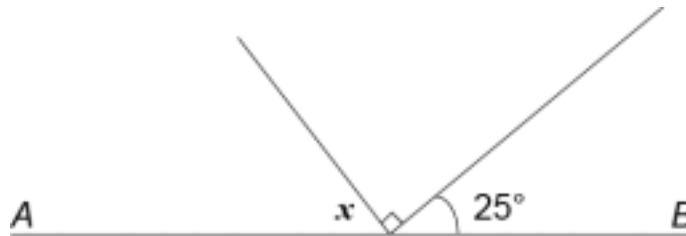
23 Keisha says



Explain why Keisha cannot be correct.

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

24 (a) AB is a straight line.



NOT TO  
SCALE

**Calculate** the size of angle  $x$ .

Do **not** use a protractor (angle measurer).

.....° [1]

(b) What is the sum of the angles inside a triangle?

.....° [1]

25 Abdul buys a  $2\frac{1}{2}$  kg bag of potatoes.

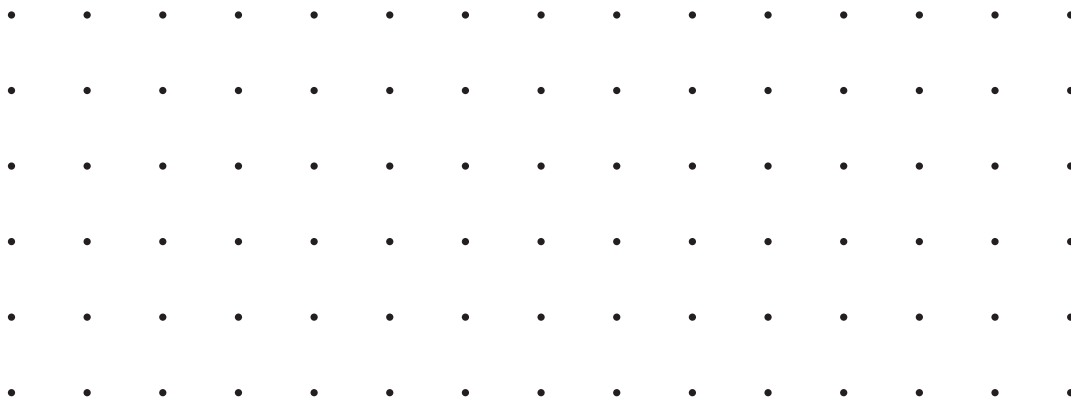
He uses 600 grams of these potatoes.

How many **grams** of potatoes are left in the bag?

.....grams [1]

26 The **perimeter** of a square is 12 cm.

(a) Draw the square on the grid.



[1]

(b) What is the **area** of the square with sides 13 cm long?

.....cm<sup>2</sup> [1]

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Examiner's  
Use

27 A group of students take a Maths test and a Science test.

Their results are shown in the table.

Name	Score in Maths test	Score in Science test
Lena	6	7
Suzanah	8	10
Serene	5	6
Jasmine	10	9
Dawn	9	9
Chris	8	10
Lee	9	10
Eric	7	9
Tan	10	9
Fong	10	10

(a) What is the range of marks in the **Science** test?

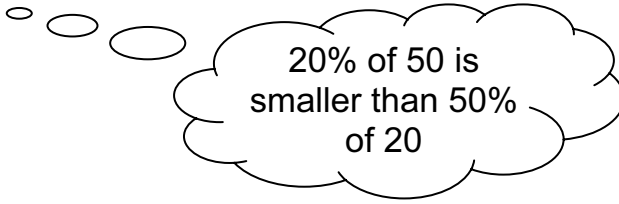
..... [1]

(b) What is the mode for the **Maths** test?

..... [1]

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28 Mario says



Is he right? Yes / No

Explain how you know.

[1]