Cambridge Primary Checkpoint

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
Cambridge Primary Checkpoint

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CANDIDATE NUMBER | | | | |

MATHEMATICS **0845/01**

Paper 1 **April 2012**

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen, Pencil, Ruler, Protractor

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 **17** printed pages and **3** blank pages.

UNIVERSITY of CAMBRIDGE International Examinations

1 **(a)** Find the total of 165 and 59.

..... [1]

(b) Find the difference between 59 and 165.

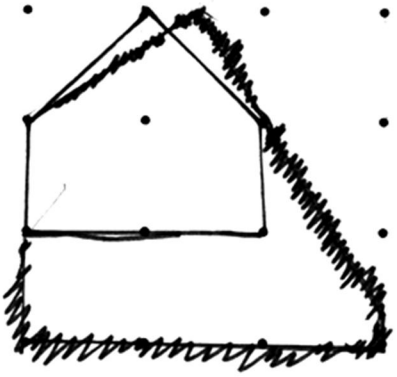
..... [1]

2 Write the **same** digit in both boxes to make this sum correct.

	4	+	3		= 100

[1]

3 Here is a spotty grid.



Join some of the dots to make a pentagon with exactly three right angles.

[1]

4 Here is a sequence of numbers.

705	→	805	→	905	→

What is the next number in the sequence?

..... [1]

5 Here are some signs.

$=$ $<$ $>$

Write the correct sign in each box.
You can use each sign more than once.

4×4 ☐ 2×8

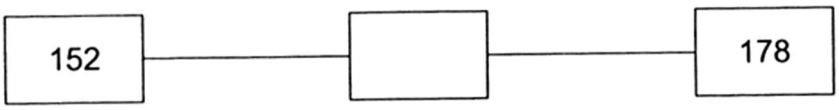
8×7 ☐ 9×6

3×8 ☐ 5×5

6×4 ☐ 4×6

[2]

6 What number is half way between 152 and 178?



[1]

DO NOT WRITE IN THIS MARGIN

7 Here is a calendar for **August 2000**.

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		

Mark was born on **29 July 2000**.

On what day of the week was he born?

..... [1] 0

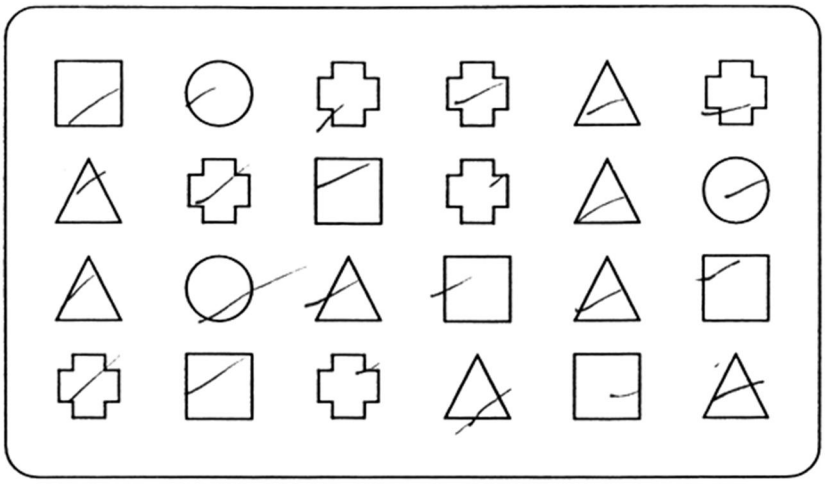
8 Write in the missing number.

2500 ÷ ☐ = 100

[1] 1

①

9 Here is a set of shapes.



Complete the frequency table to show how many of each shape there are.

Shape	Frequency
	6
	3
	

[2]

10 Chris is using a grid to work out the 8 times table.

Number	1	2	3		16
double	2	4	6		
double	4	8	12		
double	8	16	24		

Use the grid to help you work out this calculation.

$16 \times 8 =$ ☐ [1]

11 Here is part of a number grid.

37	38	39
47	48	49
57	58	59

Circle the number that is a multiple of 7.

[1]

12 Here is a clock face showing a digital time.

15 : 54

What time will the clock face show 50 minutes later?

:

[1]

13 Here is a place value chart showing the number 64.

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

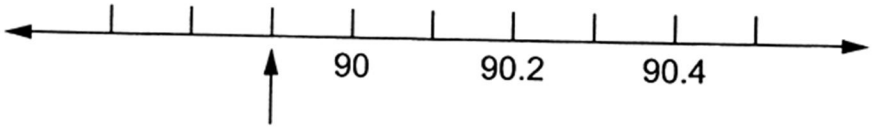
Here is a larger place value chart. Shade it to represent the number

Forty five thousand and forty-five

100 000	200 000	300 000	400 000	500 000	600 000	700 000	800 000	900 000
10 000	20 000	30 000	40 000	50 000	60 000	70 000	80 000	90 000
1 000	2 000	3 000	4 000	5 000	6 000	7 000	8 000	9 000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

[1]

14 What number is the arrow pointing to on this number line?



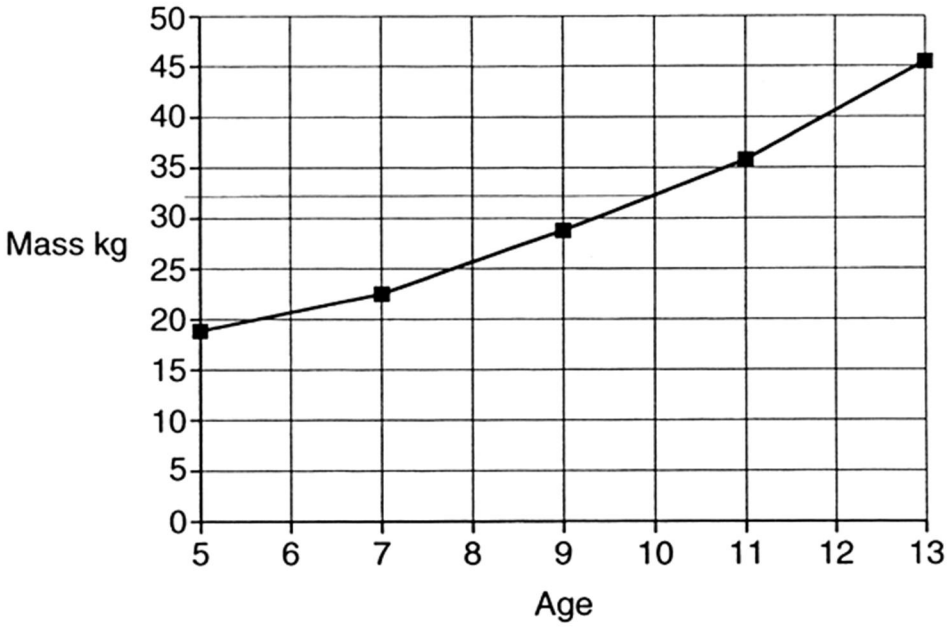
..... [1] 0

15 Write in the missing number.

$0.85 + \square = 1$

[1] 1

16 Here is a line graph showing how Tarik's mass increases as he gets older.



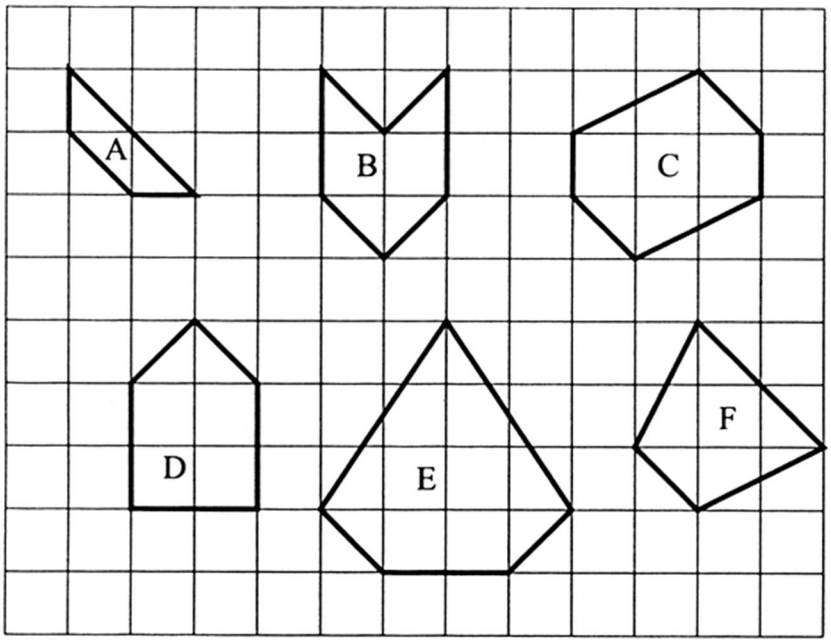
(a) What was his mass on his 10th birthday?

..... kg [1] 0

(b) What is the difference in his mass between age 6 and age 12?

..... kg [1] 1

17 Here are six shapes on a grid.



(a) Write the letters of the **two** shapes which are pentagons.

..... [1] I

(b) Write the letters of the **two** shapes which contain at least one pair of perpendicular lines.

..... [1] 0

18 Calculate.

$962 \div 26 =$

..... [1]

2

19 Here are three digit cards.

5	6	7

Use each card **only once** to make these statements correct.

4	9	<		2

5	2	>		0

7	5	<		7

[2] 2

20 Here are some number cards.

A	Three hundred and four

B	Forty-three

C	Three hundred and forty

D	Thirty-four

(a) Write the letter of the card that gives the answer to 34 × 10.

..... [1] 1

(b) Write the letter of the card that gives the answer to 340 ÷ 10.

..... [1] 1

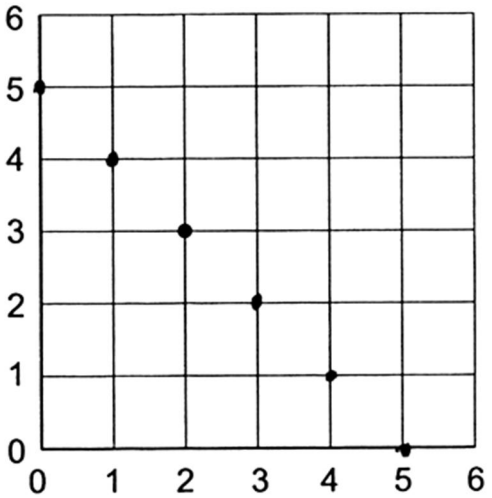
21 Write in the missing numbers.

7.7 → to the nearest whole number → ☐

10.25 → to the nearest whole number → ☐

[2] 2

22 Plot **five** more points whose co-ordinates have a sum of 5.
(2, 3) has been done for you.



[2]

(4)

23 Here are five angle cards.

A	B	C	D	E
60°	a right angle	half a right angle	half a turn	120°

Write each card in order from smallest to largest.

smallest largest

[1]

24 Here are four measurements.

20 cm	1 m	30 mm	2.5 cm

Order the measurements from smallest to largest.

smallest largest

[1]

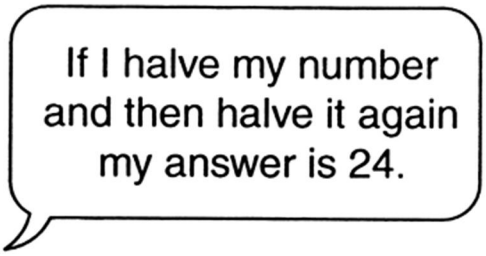
25 Complete this chart showing information about a rectangle.

Length (cm)	Width (cm)	Area (cm²)	Perimeter (cm)
	2		16

[2]

26 Anna is thinking of a number.

She says:



What is Anna's number?

..... [1]

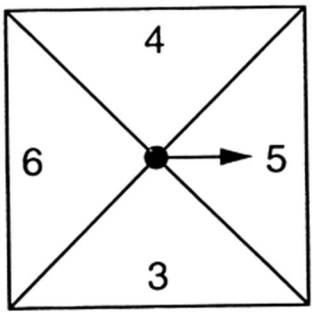
27 Here is a number grid.

74	75	76
84	85	86
94	95	96

Circle the number that can be divided by 7 with a remainder of 1.

[1]

28 Pascal has a spinner.



(a) What is the chance of spinning a 2?
Circle the correct answer.

impossible **unlikely** **even** **likely** **certain**

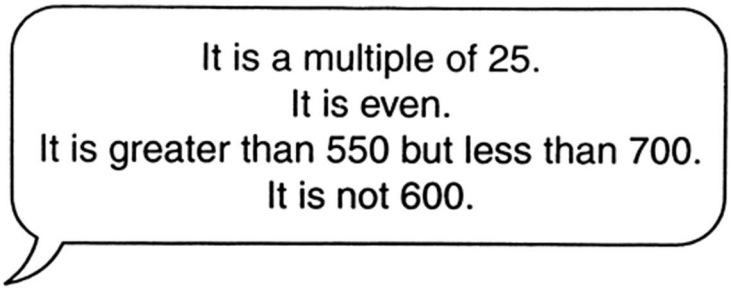
[1]

(b) What is the chance of spinning a number less than 10?
Mark your answer with an arrow (↓) on the probability scale below.

[1]

29 Noah is thinking of a number.

He says:



What number is Noah thinking of?

..... [1]