testbase

Maths 2 Answers

Name: _____

Class: _____

Date: _____

Time: **20 minutes**

Marks: **20 marks**

Comments:

Mark schemes

1

Award **TWO** marks for three correct numbers, as shown:

110 155 200 245 **290** **335**

Award **ONE** mark for:

- any **TWO** numbers correctly placed

OR

- if box 1 is correct, accept correct follow-through for box 3 from the incorrect value in box 2.

Do not *accept misreads for this question.*

Up to 2m

[2]

2

Both values correct, as shown:

$\frac{3}{4} = \frac{9}{\boxed{12}} = \frac{\boxed{18}}{24}$

Both values must be correct for the award of ***ONE*** *mark.*

[1]

3

(a) 155

1

(b) Table completed with three correct numbers, as shown:

Mass in g	Number of kittens
250-299	**2**
300-349	**3**
350-399	**2**
400-449	1

All three numbers must be correct for the award of the mark.

Do not *accept tally marks on their own.*

1

[2]

4 The correct time circled as shown:

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

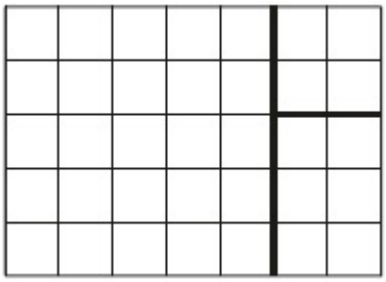
Accept alternative unambiguous positive indications, e.g. 14:01 ticked or underlined.

Accept 17:26 circled in addition to 14:01, provided no other time is circled.

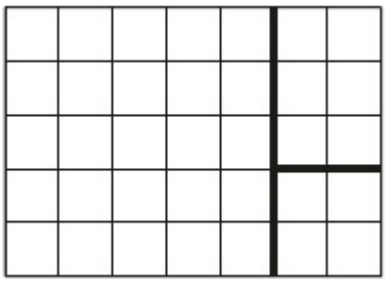
***Do not** accept only the arrival time 17:26 circled.*

[1]

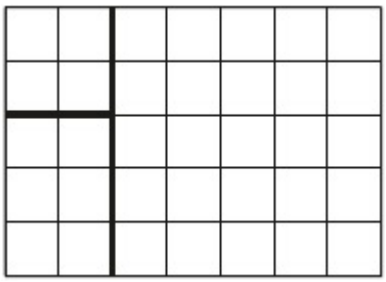
5 Rectangle divided, as shown:



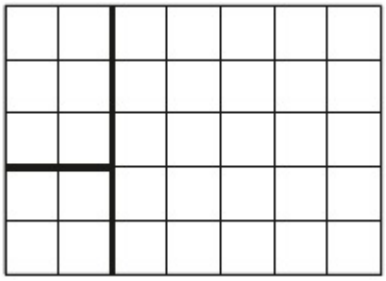
OR



OR



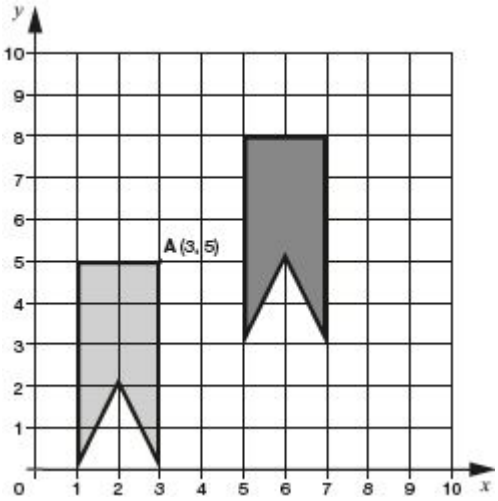
OR



Accept slight inaccuracies in drawing provided the intention is clear.

[1]

6 Shape located correctly, as shown:



Accept slight inaccuracies in drawing (see guidance).

*Shape need not be shaded for the award of **ONE** mark.*

[1]

7 Digits in correct order, as shown:

2 7 4 3

*All digits must be in the correct order for the award of **ONE** mark.*

[1]

8 91

[1]

9 An explanation that includes a correct counter example, e.g.

- When you double 10° it is not obtuse
- 2 × 27° = 54°
- Double 45° is a right angle not obtuse

OR

An explanation that demonstrates where the statement in the question is not correct, e.g.

- If the acute angle is less than 45° then doubling it will be less than 90°, so it won't be obtuse (more than 90°).

***Do not** accept vague or incomplete explanations, e.g.*

- *Sometimes it will be acute*
- *Some acute angles are half an obtuse angle, but not all*
- *When you double an acute angle, you get a right angle*

***Do not** accept explanations which include incorrect mathematics or incorrect information that is relevant to the explanation, e.g.*

- *20°C × 2 = 40°C*
- *20% × 2 = 40%*

[1]

10 2,250

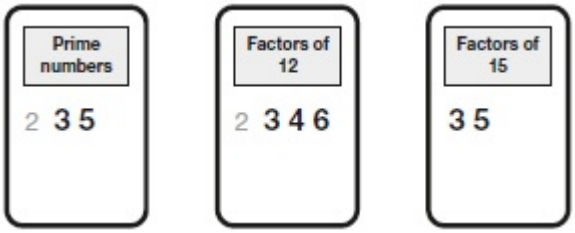
Do not** accept* $2000\frac{1}{4}$ ***OR $2\frac{1}{4}$ ***OR*** *2.25*

[1]

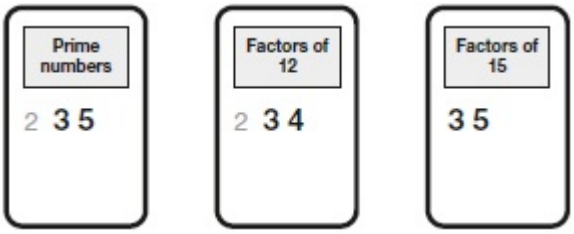
11 25

[1]

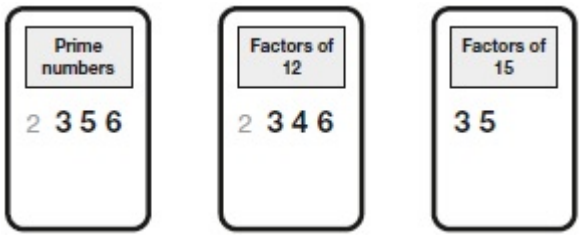
12 Award **TWO** marks for all four given numbers placed completely correctly 7 times, as shown:



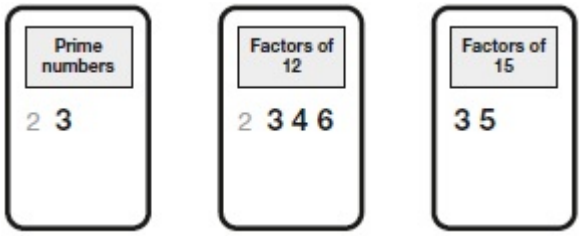
If the answer is incorrect, award **ONE** mark for three of the given numbers all placed completely correctly, e.g.



OR



OR



Accept the numbers in any order.

Ignore any additional numbers not given in the question.

Up to 2m

[2]

13 (a) 7

***Do not** accept 70,000 or 70 thousands.*

1m

(b) 4,000,000

Accept 4 million or four million

***Do not** the answer 4*

1m

[2]

14 95 × 6 **OR** 96 × 5

[1]

15 (a) 7

***Do not** accept −7 or 7−*

1

(b) Oslo

Accept unambiguous abbreviations or recognisable misspellings.

1

[2]