## Q1.

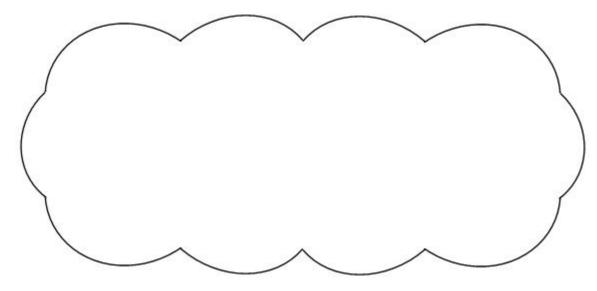
Write the two missing digits.

1 mark

Q2.

$$5,542 \div 17 = 326$$

Explain how you can use this fact to find the answer to 18 x 326



1 mark

# Q3.

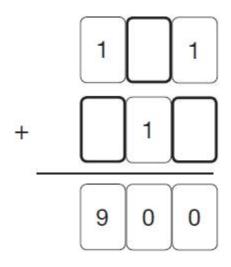
Write the missing fraction.

$$\frac{1}{3} + \frac{1}{4} +$$
 = 1

1 mark

## Q4.

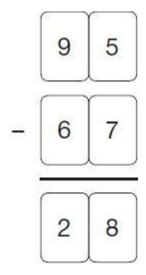
Write the missing digits to make the addition correct.



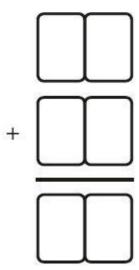
1 mark

Q5.

Stefan completes this calculation.



Write an addition calculation he could use to check his answer.



1 mark

Q6.

Write the missing number.

1 mark

Q7.

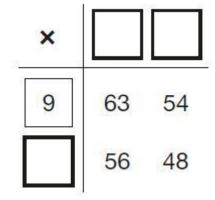
Write the missing digits to make this addition correct.



1 mark

Q8.

Write the missing numbers to make this multiplication grid correct.

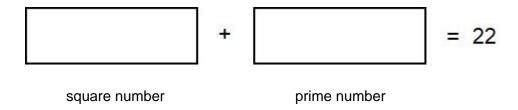


1 mark

Q9.

A **square** number and a **prime** number have a total of 22

What are the two numbers?

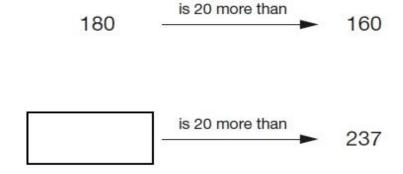


1 mark

Q10.

Write the missing number.

One is done for you.



1 mark

# Q11.

Complete this table with the missing numbers.

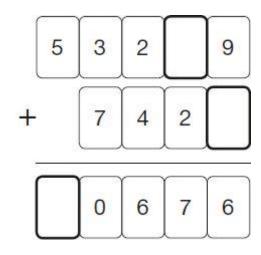
One row has been done for you.

Number	1,000 more
3,500	4,500
85	
	9,099
	15,250

2 marks

# Q12.

Write the three missing digits to make this addition correct.



2 marks

## Q13.

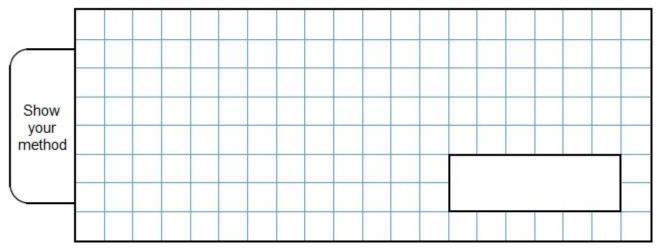
Jack chose a number.

He multiplied the number by 7

Then he added 85

His answer was 953

What number did Jack choose?



2 marks

### Q14.

In this sequence, the rule to get the next number is

Multiply by 2, and then add 3

Write the missing numbers.

25	53	
14-24-3		

2 marks

### Q15.

The numbers in this sequence **increase** by 45 each time.

Write the missing numbers.



2 marks

#### Mark schemes

### Q1.

U1

[1]

#### Q2.

An explanation that shows that 5,868 can be made by adding 326 to  $17 \times 326$ , e.g.

- $5542 + 326 = 18 \times 326$
- '18 x 326 is 326 more than 5,542'
- 'Because this is the same as 17 x 326 = 5542 so add one more 326 to get the answer'
- You add 326 to 5,542 and your answer will be correct'
- 'Because you can add 326 to the answer of 17 x 326'
- '5542 + 326'.

**Do not** accept an explanation that simply calculates  $326 \times 18 = 5,868$ .

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

- 'You could add another 326'
- 'The difference between 17 and 18 is 1 so you add 326 and that is one more'
- 'Because if you turn the question around you would see that 17 x 326 = 5542 so all you need to do is times the number one more time'
- '5,542 + 326 because it is one more'.
- 5868 326 = 5542.

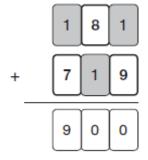
[1]

Q3.

5 12

[1]

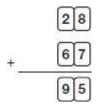
Q4.



[1]

## Q5.

Correct addition calculation, as shown:



OR

All 6 digit cards must be completed correctly for the award of **ONE** mark.

[1]

Q6.

20

[1]

## Q7.

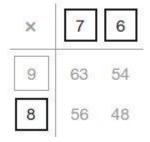
Addition completed, as shown

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

[1]

### Q8.

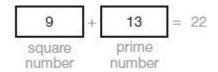
Three boxes completed correctly as shown:



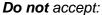
[1]

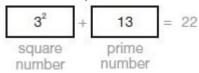
### Q9.

Both numbers correct as shown:



Numbers must be in the correct order.





[1]

### Q10.

257

[1]

### Q11.

Award **TWO** marks for three boxes completed correctly as shown:

Number	1,000 more	
3,500	4,500	
85	1,085	
8,099	9,099	
14,250	15,250	

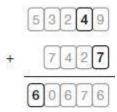
If the answer is incorrect, award **ONE** mark for two boxes completed correctly.

Up to 2m

[2]

## Q12.

Award **TWO** marks for numbers completed, as shown:



Award **ONE** mark for any two numbers completed correctly.

Up to 2m

[2]

### Q13.

Award TWO marks for the correct answer of 124

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

• 953 - 85 = 868 868 ÷ 7

Answer need not be obtained for the award of **ONE** mark If the pupil's evaluation contradicts the appropriate method, the method mark will not be awarded.

Up to 2m

[2]

### Q14.

(a) 11 written in the first box, as shown:



1

1

(b) 109 written in the last box, as shown:



[2]

### Q15.

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



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.

Up to 2m

[2]