

\* There is additional guidance in the mark scheme including guidance on answers that may be worthy of credit if the answer is incorrect.

Each question is worth 1 mark unless otherwise stated (e.g. (2m) indicates 2 marks). [Full mark schemes can be found here.](#)

## Paper 1 Arithmetic

Qu. Answer

1 7,305

2 0

3 292

4 1,200

5 415

6 15.08

7 30

8 168

9 5,459

10 10,100

11 80

12 660

13 120

14 495,000

15 4,172

16 0.212

17\* 32 (2m)

18\* 1 1/9 OR 10/9

19\* 50,381 (2m)

20 13,050

21\* 3

22 21

23 2.877

24\* 1/16

25\* 5/6

26 23.988

27\* 480

28\* 60

29\* 42 (2m)

30\* 92

31\* 11/63

32\* 1 5/6 OR 11/6

33\* 273,226 (2m)

34\* 7 3/4 OR 31/4

35 8

36\* 320

## Paper 2 Reasoning

Qu. Answer

1

2 5

3 30,000

4a\* Emma

4b\* Olivia

5 2,300

6\* 2.25

7\* 6/10

8\*  $\frac{5}{8}$   $\frac{14}{8}$   $\frac{19}{8}$   $\frac{23}{8}$   $\frac{26}{8}$

9 52

10\* £2.85 (2m)

11\* Both numbers correct as shown

12\* 2kg 1500g 1.4kg 300g

13\* A to B Dev rests for 10 minutes.  
B to C Dev cycles 1 km in 10 minutes.  
C to D Dev cycles 3 km in 10 minutes.  
D to E Dev cycles less than 1 km in 10 minutes.

14 50

2 marks: all correct; 1 mark: 3 correct

15\*  $1 \times 2 \times 3 = 1 + 2 + 3$   
 $2 \times 2 \times 2 > 2 + 2 + 2$   
 $1 \times 10 \times 10 > 1 + 10 + 10$   
 $0 \times 10 \times 10 < 0 + 10 + 10$

16\* 28.07 ☐  
28.65 ☒  
28.71 ☒  
28.75 ☐  
28.97 ☐

17\* 9 OR 12 OR 18 OR 36

18\* 821 (2m)

19\* 15

20\* 12 (2m)

21a 16

21b\* 30

22\* 4,200 (2m)

23\* 30 (2m)

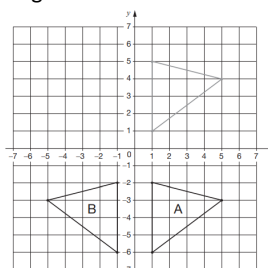
24\*  $x = 75$  AND  $y = 15$  (2m)

TWO marks for both triangles

correctly drawn,  
as shown:

ONE mark for either:

25\* correct triangle A OR  
correct triangle B OR  
a correct reflection  
of an incorrectly  
translated triangle



## Paper 3 Reasoning

Qu. Answer

1 8

2\*  $24 = 3 \times 8$   
 $28 = 4 \times 7$   
 $30 = 5 \times 6$

3\* 15(p) (2m)

TWO marks for all four  
fractions matched to the

4\* correct decimal as shown

ONE mark for three fractions  
and decimals matched correctly



5\* 123 (2m)

6a -7 (Do not accept 7-)

6b 8 (Do not accept -8)

7\* 81,572 (2m)

TWO marks for the correct  
three numbers, as shown:

8\* ONE mark for any two  
rounded correctly

nearest 1,000 **8,000**  
nearest 100 **7,500**  
nearest 10 **7,550**

9 41,600

10\* 79(p) OR (£)0.79 (2m)

11\* 21 OR 22 OR 23 OR 24 Do not accept decimals

12a 136

12b 310 OR -90

13\* 1/6 Do not accept rounded or truncated decimals.

14\* £77.50

15a 90

15b\* B

TWO marks for three boxes ticked  
correctly, ONE mark for

16\* only two boxes ticked correctly  
and no incorrect boxes ticked OR  
three boxes ticked correctly and  
one incorrect box ticked

$\frac{1}{4}$  ☐  
 $\frac{2}{5}$  ☒  
 $\frac{4}{10}$  ☒  
 $\frac{6}{10}$  ☐  
 $\frac{40}{100}$  ☒

17\* 108 (2m)

18\* £10.50 (2m)

ONE mark for a correct explanation, e.g.

• It has 3 factors – the prime number, 1 and the  
square of the prime number

19\* • The prime number has 2 factors; the squared prime  
number is divisible by one, itself & the prime number  
• All prime numbers squared have 3 factors  
• A correct explanation that gives a counter example

20\* 207,300 (3m)

21\* (6, 3)