

## Paper 1 Arithmetic

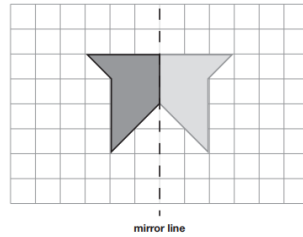
Qu. Answer

- 1 712
- 2\* 5/11
- 3 90
- 4 838
- 5 9
- 6 200
- 7 6,562
- 8 46
- 9 81.08
- 10 308
- 11 90
- 12 600
- 13 4
- 14 4,921
- 15 50,000
- 16 4.6
- 17\* 6/7
- 18\* 0.001
- 19 750
- 20\* 18,055 (2m)
- 21\* 240
- 22\* 15 (2m)
- 23 14
- 24\* 7/10
- 25\* 2 1/2
- 26 0.262
- 27 117
- 28\* 2/3
- 29\* 465,518 (2m)
- 30\* 198
- 31\* 1/8
- 32\* 77
- 33\* 60
- 34\* 182
- 35\* 2 17/21 or 59/21
- 36\* 91 (2m)

## Paper 2 Reasoning

Qu. Answer

1\*



2\*

$$\begin{array}{r} 28 \\ + 67 \\ \hline 95 \end{array} \quad \text{or} \quad \begin{array}{r} 67 \\ + 28 \\ \hline 95 \end{array}$$

3\* A point on the line in the range 6.6cm to 6.8cm inclusive from A.

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

5a\* 7

5b\* Oslo

6 299,604

7\* 0.25 and 25/100

8\* 192 (2m)

Explanation that recognises that the

9\* sequence does not always increase by four, with clear reference to the data

2 marks: all correct

1 mark: 3 correct

$11 \times 12$	$<$	$15 \times 10$
$90 \div 30$	$=$	$60 \div 20$
$120 \div 4$	$>$	$160 \div 8$
$30 \times 8$	$<$	$100 \times 10$

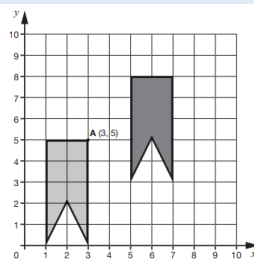
10

11

Number of faces	Number of vertices	Number of edges
6	8	12

2 marks: all correct; 1 mark: 2 correct

12\*



$$13* \frac{67}{8} \quad \frac{48}{8} \quad \frac{62}{8} \quad \frac{55}{8} \quad \frac{76}{8}$$

$$14* \frac{3}{5} \quad \frac{3}{4} \quad \frac{6}{5}$$

15\* 1800 (2m)

16\* subtract 100 then add 3  
subtract 7 then subtract 90 (2m)

17\* 1.7(litres) or 1,700(ml) (3m)

18\* £5.50 (2m)

19\* 4 - 2 + 2

20\* 30 (2m)

21a\* 36

21b\* 25

22 125

23\* 1,408 (2m)

## Paper 3 Reasoning

Qu. Answer

1 35 42 49 56 63 70

2 marks: all correct; 1 mark: 2 correct

Two combinations, as shown:

2\* blue and red OR red and blue AND  
white and red OR red and white

3\* 2 7 4 3

2 marks: all correct

1 mark: 2 correct

$$4* \begin{array}{r} 53249 \\ + 7427 \\ \hline 60676 \end{array}$$

5\* 2, 3, 6

2 marks: all correct; 1 mark: 2 correct

There are more cheetahs than jaguars

6\* One-quarter of the big cats are cheetahs.

2 marks: all correct; 1 mark: 1 correct

7a 163

7b 2

8\* £140

9 108

10\* (-3,1)

11\* 275 or an answer in the range from 270 to 280 inclusive (2m)

12 24

13\* 40

An explanation showing an understanding:

- that this specific triangle has angles 70,

14\* 70 and 40 OR

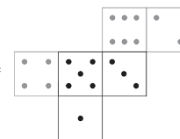
- of the properties of an equilateral triangle – all angles are equal (60°)

15a\* £3.05

15b\* 6 (2m)

16\* 184 (2m)

17\*



18\* 1/12 (2m)

2 marks: all correct

1 mark: 2 correct

$$354 \times 9.5 = \boxed{3,363}$$

19\*

$$3,540 \times 95 = \boxed{336,300}$$

$$3,363 \div 95 = \boxed{35.4}$$

20\* 101 (2m)

21a\* 57min 15sec

21b\* 44min 40sec