

* 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

- 1 697
- 2 6,594
- 3 2,808
- 4 8,413
- 5 240
- 6 960
- 7 14,753
- 8 2,754
- 9 50
- 10 520
- 11 400
- 12 6
- 13 900
- 14* 10/63
- 15 83
- 16* 13/16
- 17 0.03
- 18* 17/18
- 19 13.375
- 20* 37,592 (2m)
- 21* 1/24
- 22* 2
- 23 78
- 24 38.4
- 25* 13 (2m)
- 1,149 r1 OR
- 26* 1,149.2 OR
- 1,149 1/5
- 27* 364
- 28* 1/18
- 29* 224,761 (2m)
- 30* 171
- 31 14.8
- 32* 3/10
- 33* 172 (2m)
- 34* 2 1/12 OR
- 25/12
- 35* 285
- 36* 600

Paper 2 Reasoning

Qu. Answer

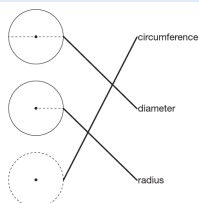
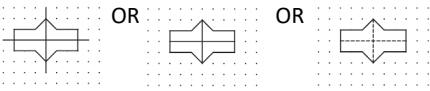
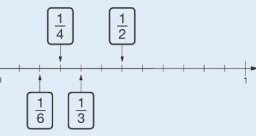
- 1 
- 2*

-10°C	-4°C	1°C	3°C	6°C
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Lowest
- 3 (6, 2)
- 4 7
- A correct explanation, e.g.
 - Uses 5 cars and 3 motorbikes to show that number of wheels cannot be 28 because there are 26 wheels
 - Uses 3 motorbikes and the total of 28 wheels to show
- 5* that the number of cars cannot be 5
 - Uses 5 cars and the total number of 28 wheels to show that the number of motorbikes cannot be 3
 - Demonstrates that Stefan would have either two extra wheels or an extra motorbike
- 6* £3.61
- 7* 75 50 25

0

-25

- 8* 24,400
- All three diagrams matched correctly
- 9* 
- 10 216
- 11a 20,039
- 11b 18,939
- 12* 
- 13 110
- 14 Answer in the range of 128 to 132 inclusive
- 15* 
- 16* 5
- 17* 33 (2m)
- 18* 7/20 (2m)
- 19 200
- | | | | | |
|--------|---|---|---|------|
| 3 | 2 | 3 | 5 | (2m) |
| × | | | | |
| 53 | | | | |
| 161750 | | | | |
| 171455 | | | | |
- 20*

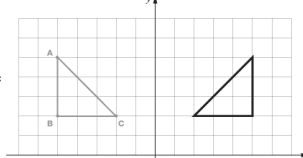
9	7	0	5
161750			
171455			
- 21* 267.5 OR 267 1/2 (cm) (2m)
- 22* 3/12
- 23* 19 (2m)
- 24 564
- 25a 20
- 25b* 4.8 (g) (2m)
- 26a 18
- 26b 3

Paper 3 Reasoning

Qu. Answer

- 1

2	4	7
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- 2*

8,306	<input type="checkbox"/>
80,036	<input type="checkbox"/>
80,306	<input checked="" type="checkbox"/>
800,306	<input type="checkbox"/>
80,300,006	<input type="checkbox"/>
- 3* 
- 4 1,780 1,880 1,980

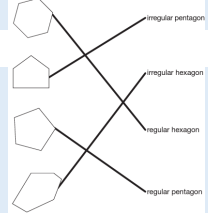
2,080

2,180

- 5* 13.2 14.7

15.9

16.3

 17.6
- 6 300,000
- 7* 10 1/2
- 8* 
- Shapes matched as shown:
- Explanation that recognises that 32 is not a multiple of 3 OR a description that includes one or both of the multiples of 3 either side of 32
- 10* 3
- 11* 2,458 (2m)
- TWO marks for two boxes correctly ticked, and no incorrect boxes ticked
- 12* ONE mark for two boxes ticked correctly and one incorrect box ticked OR only one box ticked correctly and no incorrect boxes ticked
- 13 9
- 14a* 1/4
- 14b* 2/5
- 15a* 5:50 OR (0)5:50 pm OR 17:50
- 15b* 1 (hours) 45 (minutes)
- 16* 35(g) (2m)
- 17* 5/6
- 18a* Drawing in the range 650mm to 750mm:
- 18b* 1,543 (2m)
- 19* (£)2.65 (2m)
- Two marks for three correct expressions circled. One mark for two correct expressions circled and none incorrect
- 20*

$w \times 6$	$w \times 2 + 12$
$2 \times (w + 6)$	$6 + w + 6 + w$
- 21* 323 (3m)
- 22 octagon

8

×5

÷2

20

- 23 Two marks for both correct. One mark for one correct.

a	b	$\frac{a}{b}$
1	4	0.25
3	20	0.15
5	8	0.625