

Mayfield Grammar School, Gravesend
Mathematics Booster - Paper 1 - ANSWERS

1. 308,069

4a Africa

5 -2.5

7 11

8a Even chance

8b Impossible

8c Unlikely

9a 1hr 54mins

10a 36, 34

11a 5

12 Many different answers eg: 4, 4, 4, 10, 10; 3, 4, 4, 6, 9; 3, 4, 4, 7, 9;
 3, 4, 4, 8, 9; 2, 4, 4, 5, 8; 2, 4, 4, 6, 8 etc

13 6.765, 6.776, 7.675, 7.756, 7.765

14a Triangular Prism

14b Cone

14c Cuboid

15

Score	Tally	Frequency
1		3
2		3
3	I	6
4		1
5		4
6		3

16 16,254

17 $x=4$

18a 30cm^2

18bi 58cm

18bii 62cm^2

19a Sat

19b Thur

19c Mon & Sun

20a 7, 13

20b 4, 25

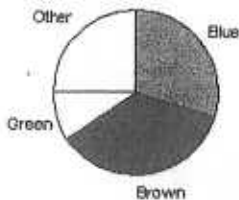
20c 6

21a $12 + x$ or $x + 12$

21b $12 - t$

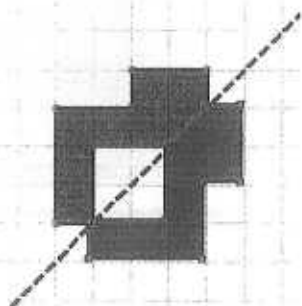
22:

23



	Square	Rectangle	Isosceles Triangle
Number of lines of symmetry	4	2	1

26



24 80, 60, 20

24b 7

25a 2.5

25b 21cm

27a 3

27b 4

28a 66

28b 200ml

29 11p

30a 108°

30b 63°

30c 297°

30d b

31a $\frac{2}{5}$ or $\frac{20}{50}$

31b $\frac{22}{50}$ or $\frac{11}{25}$

31c $\frac{16}{50}$ or $\frac{8}{25}$

32 £3.00

33a 15t

33b 6x

33c $10x + 5y$

34a 10cm

34b 31.4cm

35a 150g

35b $\frac{3}{4}$ litres

35c 45g

35d 10

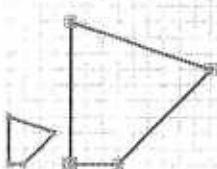
36a 60%

36b 72

37a 4

37b 9

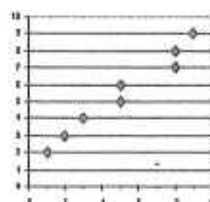
38



39 14

40a

40b fairly well ✓



Mayfield Grammar School, Gravesend
Mathematics Booster - Paper 2 - ANSWERS

- 1a 240,026 2a 3 2b 28 3a 240° 3b 30° 4a 10x 4b 11x
 5 C, A 6 4.784, 4.847, 4.874, 5.789, 5.978 7 13 8 9:05pm
 9a Asia 9b Gorilla 9c Chimpanzee 10a 23 or 29 10b 25 10c 24

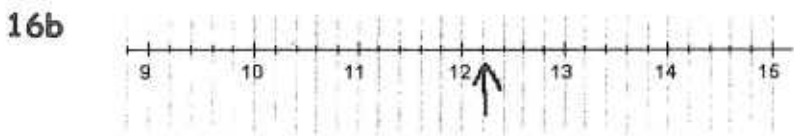
11

	Walk	Cycle	Car	Totals
Boys	14	2	11	27
Girls	7	3	6	16
Totals	21	5	17	43

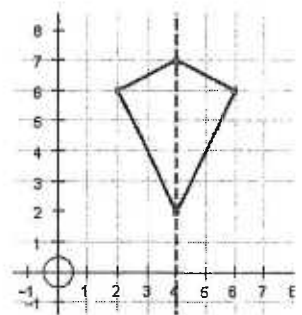
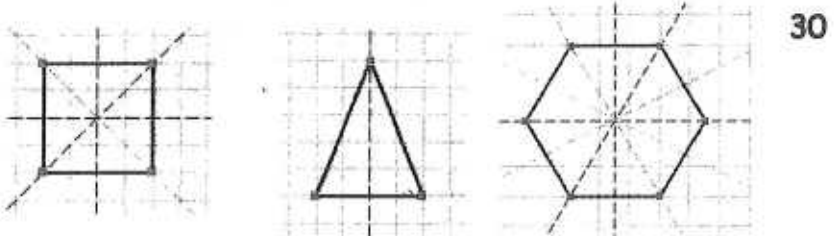
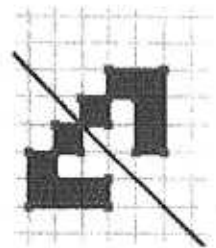
- 12a 23rd Aug 12b Wednesday
 13 $x + 10$ or $10 + x$
 14

Armspan (cm)	Tally	Frequency
110 - 119	II	2
120 - 129	III I	6
130 - 139	III II	8
140 - 149	IIII	4
150 - 159		0

- 15a Surprise 15b Book 16a 10.3



- 17a 25, 29 17b 19, 13 18 39 19 27, 202
 20a Even chance 20b Certain 20c Unlikely 21 19
 22a miles, kilometres 22b cm 22c kg 22d secs 23
 24a $1\frac{3}{4}$ 24b 34 25 144 26a 8 26b $\frac{18}{38}$ or $\frac{9}{19}$
 27 30 28 5
 29



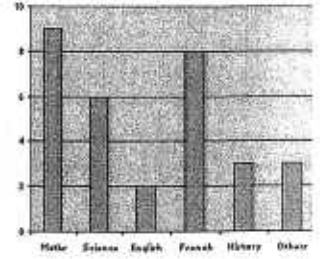
31

IN	OUT
1	8
3	18
n	$5n + 3$

- 32 32 33a 5
 34a

Subject	Tally	Frequency bars drawn
Maths	III IIII	9
Science	III I	6
English	II	2
French	III III	8
History	III	3
Others	III	3

- 33b 8
 34b



- 35 314.2cm^2 36a 15p 36b 34p 37 5cm
 38a 3 38b 7 38c 2 39a B 39b A
 40a 4cm 40b 6cm