

**11 + Entrance Examination
Sample Paper 1
Mathematics Marking Scheme**

Total Marks: 100

- 1a. 48
- b. 53
- c. 69
- d. 23
- 2a. 24
- b. 15
- c. 24, 42
- 3a. 311
- b. 1095
- 4a. 10
- b. 100
- c. 10
- d. 100
5. - 6 degrees
6. prime number 7, square number 25, cube number 1,
multiple of 8 =16, median of all 5 numbers 13
7. 0.01 0.1 1.01 1.1 1.11
- 8a. 4
- b. 4
- c. 3

9.

<u>fraction</u>	<u>decimal</u>	<u>percentage</u>
$\frac{1}{2}$	0.5	50%
$\frac{3}{4}$	0.75	75%
$\frac{3}{10}$	0.3	30%
$\frac{4}{100}$ or $\frac{1}{25}$	0.04	4%
$\frac{1}{5}$	0.2	20%

10a. 800g

b. 40g butter, 80g flour, 70g sugar, $\frac{1}{5}$ tsp vanilla extract

c. 80g

d. 4

e. 160g

11. £63p.

3 marks for the correct answer and showing workings.

2 marks for correct answer but not shown workings

1 marks for the correct calculations but incorrect method (Eg. found the cost of 2 water bottles but forgot to divide this by 2).

12. Area = 50cm^2

Perimeter = 38cm

13a. 4

b. 10

c. 22

d. 8

e. 10 in the right section now becomes 11.

2 in the area outside the Venn diagram becomes a 3.

14a. 2

b. 22

c. car

d. car

e. 62

15a. £1.05 or 105p

b. 40%

i. $\frac{1}{5}$

ii. $\frac{6}{10}$

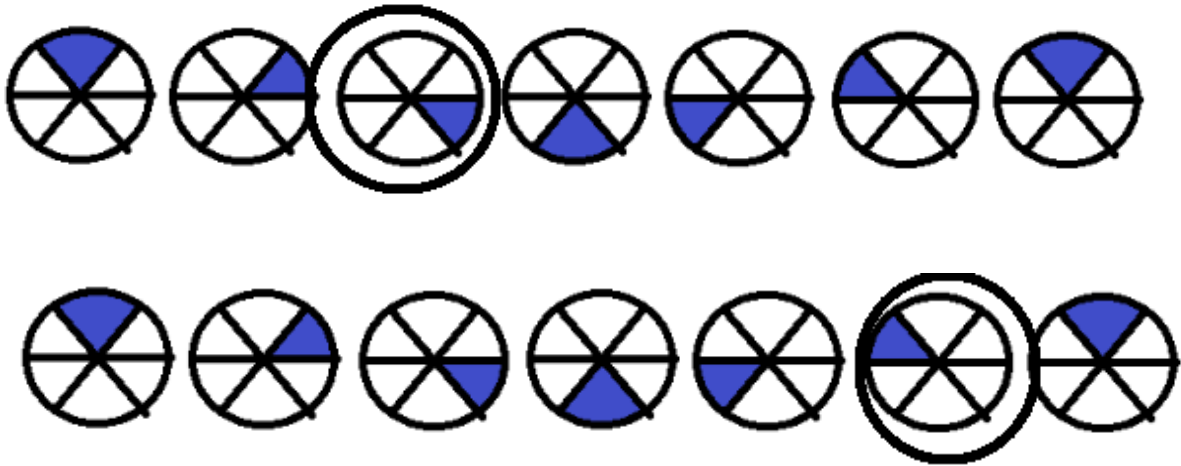
iii. 1

16. 3

17. 8

18.a.





19. Perimeter = 80cm

Area = 168 cm²

21. Boys are: Alfred and John

Girls are: Zara and Heather.