

# Revision Sheet |

Lower Secondary  
Stage (6-8)

1<sup>st</sup> Semester | 2023-2024

**Subject:** Math

**Chapter:** 1 and 2 (2.1-2.2)

**Objectives:**

- To review the material covered in chapter 1 and 2 (2.1-2.2)

Q1: Last season, Hodder Hurricanes won  $\frac{5}{12}$  of its matches, drew  $\frac{2}{9}$  and lost the rest.  
Show that it lost  $\frac{13}{36}$  of its matches.

Q2: Of the teachers in a school,  $\frac{3}{4}$  are women.  
Of the women teachers in the school,  $\frac{5}{6}$  are married.  
Work out the fraction of teachers in the school who are married women.  
Give your fraction in its simplest form.

Q3: Pat's dog eats  $\frac{2}{3}$  of a tin of food each day.  
She has 8 tins of dog food.  
How many days will the 8 tins last?

Q4: Express 63 as a percentage of 350

Q5: An art dealer bought a painting for £2500 and sold it for £3300  
Work out her percentage profit.

Q6: The population of Malta is  $4 \times 10^5$   
The population of the United Kingdom is  $6 \times 10^7$   
Find the ratio of the population of Malta to the population of the United Kingdom.  
Give your ratio in the form  $1 : n$

Q7: The length of an aeroplane is 7.5 m.  
A scale model is made of the aeroplane.  
The length of the scale model is 30 cm.  
**a)** Express the scale of the model in the form  $1 : n$   
The wingspan of the scale model is 36 cm.  
**b)** Work out the wingspan of the real aeroplane.  
Give your answer in metres.

**Q8:** A total of 64 320 people watched the football match between United and City.  
The ratio of United supporters to City supporters was 15 : 1  
Work out the number of United supporters who watched the match.

**Q9:** John and Pavinder share some money in the ratio 5 : 7  
John receives \$240  
Work out the amount of money that Pavinder receives.

**Q10:** Brass is made from copper and zinc in the ratio 13 : 7 by weight.  
**a)** Work out the weight of copper and the weight of zinc in 5 kg of brass.  
A brass ornament contains 350 grams of zinc.  
**b)** Work out the weight of copper in the ornament.

**Q11:** The scale of a map is 1 : 5 000 000  
On the map, the distance between two airports is 3.6 cm.  
**a)** Work out the real distance between the airports.  
Give your answer in kilometres.  
The real distance between two railway stations is 30 km.  
**b)** Work out the distance on the map between the two railway stations.

Q12: Here are the ingredients needed to make a pie for 4 people.

Ingredients for 4 people

150 g of pastry  
450 g of potatoes  
220 g of onions  
320 g of bacon

Work out the amount of each ingredient needed to make a pie for 10 people.

Q13: Kurt went on holiday to England.  
He changed €1800 to pounds.  
The exchange rate was €1 = £0.69  
**a)** Work out the number of pounds Kurt received.  
Kurt returned home with £198  
He changed his £198 to euros.  
The new exchange rate was €1 = £0.66  
**b)** Work out the number of euros Kurt received.