

Worksheet 1 |

Lower Secondary
Stage (6-8)

1st Semester | 2023-2024

Subject: Math

Chapter: 1

Objectives:

- To revise adding and subtracting fractions
- To revise multiplying and dividing fractions

Q1: Work out the answers to these without using a calculator. Give your answer in simplest form.

a) $4 - \frac{3}{2} =$	b) $11 + 7\frac{1}{4} =$
c) $5\frac{1}{4} + 3\frac{1}{16} + 4\frac{3}{8} =$	d) $1\frac{1}{3} + 2\frac{2}{5} - 1\frac{1}{4} =$
e) $\frac{3}{7} + \frac{2}{3} \times \frac{14}{8} =$	f) $3\frac{1}{2} - 2\frac{1}{4} \times \frac{4}{3} =$

$$\text{g) } 1\frac{3}{4} \div 2\frac{1}{3} =$$

$$\text{h) } \frac{5}{8} \div 2 =$$

$$\text{i) } 7\frac{7}{8} \div 5\frac{1}{12} =$$

$$\text{j) } \left(2\frac{1}{3} - 1\frac{2}{5}\right) \div 1\frac{1}{3} =$$

$$\text{k) } 2\frac{1}{3} - 1\frac{2}{5} \div 1\frac{1}{3} =$$

$$\text{l) } 3\frac{1}{3} \div 7\frac{1}{2} + \frac{2}{27} =$$

- Q2) Chloe, Daisy and Emily share some money.
Chloe receives $\frac{5}{8}$ of the money.
Daisy receives $\frac{1}{6}$ of the money.
Show that Emily receives $\frac{5}{24}$ of the money.

- Q3) $\frac{7}{12}$ of the passengers on a coach are boys.
The rest of the passengers are girls.
35 of the passengers are boys.
How many of the passengers are girls?

- Q4) $\frac{3}{4}$ of Joshua's books are paperbacks.
 $\frac{4}{9}$ of his paperback books are science fiction.
What fraction of his books are science fiction paperbacks?
Give your fraction in its simplest form.

Q5) $\frac{5}{9}$ of the students in a school are girls.

$\frac{3}{5}$ of these girls own a bicycle.

$\frac{3}{4}$ of the boys in the school own a bicycle.

What fraction of the students in the school own a bicycle?

Give your fraction in its simplest form.

Q6) A bag contains only red beads, white beads and blue beads.

$\frac{5}{12}$ of the beads are red.

$\frac{3}{8}$ of the beads are white.

Work out the smallest possible number of beads that the bag could contain.