



Grade 7

Mathematics

2 hours

### 10 Fractions

01) Fill in the blanks by selecting the suitable value from within the brackets.

1)  $\frac{4}{5}$  is .....  $\frac{1}{5}$ s (2, 3, 4)

2)  $\frac{3}{8}$  is three ..... s.  $\left(\frac{1}{3}, \frac{1}{7}, \frac{1}{8}\right)$

3) Six  $\frac{1}{6}$  is equal to .....  $\left(\frac{5}{6}, 1, \frac{1}{6}\right)$

4)  $\frac{\quad}{10}$  is equivalent to  $\frac{2}{5}$  (4, 3, 2)

5) Eleven  $\frac{1}{12}$  is equal to .....  $\left(\frac{11}{12}, \frac{11}{13}, \frac{1}{12}\right)$

02) Write the two equivalent fractions for each of the following fractions.

1)  $\frac{3}{4}$

2)  $\frac{9}{11}$

3)  $\frac{12}{24}$

4)  $\frac{15}{16}$

03) Express each of the following mixed numbers as an improper fraction.

1)  $2\frac{3}{7}$

2)  $3\frac{5}{6}$

3)  $7\frac{1}{4}$

04) Express each of the following improper fractions as a mixed number.

1)  $\frac{11}{5}$

2)  $\frac{68}{6}$

3)  $\frac{20}{7}$

05) Fill in the blanks with the suitable symbol from  $<$ ,  $>$ ,  $=$

1)  $\frac{2}{7}$  .....  $\frac{3}{7}$

2)  $\frac{11}{17}$  .....  $\frac{11}{20}$

3)  $\frac{25}{7}$  .....  $\frac{13}{4}$

4)  $2\frac{1}{5}$  .....  $3\frac{1}{5}$

5)  $4\frac{2}{3} \dots\dots 4\frac{1}{3}$

6)  $4\frac{3}{5} \dots\dots 6\frac{3}{4}$

7)  $\frac{4}{5} \dots\dots \frac{3}{4}$

8)  $6\frac{3}{7} \dots\dots 6\frac{1}{8}$

06) Arrange the following fractions in ascending order.

i)  $\frac{3}{8}, \frac{5}{6}, \frac{6}{8}, \frac{2}{4}, \frac{1}{3}$

ii)  $\frac{4}{6}, \frac{3}{8}, \frac{6}{12}, \frac{5}{16}$

07) Arrange the following fractions in descending order.

i)  $\frac{4}{5}, \frac{7}{10}, \frac{11}{15}, \frac{17}{20}$

ii)  $\frac{2}{7}, \frac{11}{35}, \frac{9}{14}, \frac{13}{28}$

08) Evaluate the following.

i)  $\frac{5}{8} + \frac{3}{10}$

ii)  $4\frac{3}{4} + 9\frac{2}{5}$

iii)  $\frac{5}{6} + \frac{3}{4}$

iv)  $2\frac{3}{5} + 4\frac{7}{10} + 2\frac{4}{15}$

v)  $\frac{13}{24} - \frac{7}{16}$

vi)  $6 - \frac{23}{3}$

vii)  $\frac{21}{25} - \frac{18}{20}$

viii)  $3\frac{3}{10} - 2\frac{7}{15}$

ix)  $7\frac{5}{6} - 4\frac{3}{8} + 2\frac{7}{12}$

x)  $\frac{2}{3} + \frac{1}{6} - \frac{2}{9}$

09) What should be added to  $5\frac{4}{15}$  to get  $12\frac{3}{5}$ ?10) Wenura studies  $5\frac{2}{3}$  hours daily. She devotes  $2\frac{4}{5}$  hours his time for science and Mathematics. How much time does he devote from other subjects?11) A piece of wire is of length  $12\frac{3}{4}$  m. If it cut in to two pieces that the length of one piece is  $5\frac{1}{4}$  m, what is the length of other piece?12) Length of a rectangular sheet of paper is  $12\frac{1}{2}$  cm . Breadth is  $10\frac{2}{3}$  cm. Find its perimeter.