

LESSON 13 : REVISION : FRACTIONS

1. In a grade 7 class there are 14 boys and 16 girls. Write your answers in simplest form.

1.1 What fraction of learners are :

1.1.1 Boys

1.1.2 Girls

1.2 If 5 pupils are absent, what fraction of the class is :

1.2.1 Absent

1.2.2 Present

1.1 Fill in <, > or =

a) $\frac{3}{10}$ — $\frac{4}{5}$

b) $\frac{4}{6}$ — $\frac{8}{12}$

2.2 Fill in the missing numbers (show working)

a) $\frac{2}{3} = \frac{\quad}{15}$

b) $\frac{1}{4} = \frac{4}{\quad}$

2.3. Simplify :

a) $\frac{50}{150} = \frac{\quad}{\quad}$

b) $\frac{24}{60} = \frac{\quad}{\quad}$

2. Convert the following :

2.1 Mixed number to an improper fraction

a) $3\frac{1}{3} = \frac{\quad}{\quad}$

b) $4\frac{2}{5} = \frac{\quad}{\quad}$

2.2 Improper to a mixed number

a) $\frac{15}{2} = \frac{\quad}{\quad}$

b) $\frac{45}{9} = \frac{\quad}{\quad}$

3. Calculate and simplify (show all working)

3.1 $\frac{2}{3} + \frac{3}{5}$

4.2 $1\frac{2}{3} + \frac{2}{7}$

4.3 $\frac{7}{10} - \frac{3}{5}$

4.4 $3 - 1\frac{3}{5}$

4. Calculate and simplify (show all working)

5.1 $\frac{3}{5} \times \frac{10}{12}$

5.2 $2\frac{1}{2} \times \frac{6}{15}$

5.3 $\frac{5}{6}$ of R1 200

5.4 $\frac{5}{12}$ of R2 400

5.5 $\frac{4}{7}$ of 420

5.6 $\frac{2}{6}$ of 420

5. Peter runs $5\frac{1}{3}$ km per day. How many kms did he run for a week.