

**Second Semester of the Academic Year 1447**

**Worksheet for Week 5**

Name			
Subject	Math	Class	Grade 6

**Q1: Divide the fractions:**

$$1. \frac{1}{2} \div \frac{1}{4} = \frac{4}{2} = 2$$

$$2. \frac{3}{5} \div \frac{2}{5} = \frac{15}{10} = \frac{3}{2}$$

$$3. \frac{2}{3} \div \frac{1}{6} = \frac{12}{3} = 4$$

**Q2: Divide the fractions and simplify your answer:**

$$1. \frac{3}{4} \div \frac{1}{2} = \frac{6}{4} = \frac{3}{2}$$

$$2. \frac{2}{5} \div \frac{4}{5} = \frac{2}{4} = \frac{1}{2}$$

$$3. \frac{7}{8} \div \frac{7}{16} = \frac{16}{8} = 2$$

**Q2: Solve each word Problems :**

1) Ali has  $\frac{1}{2}$  of a cake. He shares it into  $\frac{1}{4}$  pieces. How many pieces does he get?

$$\frac{1}{2} \div \frac{1}{4} = \frac{1}{2} \times \frac{4}{1} = \frac{4}{2} = 2 \text{ pieces}$$

2) Sara ran  $\frac{3}{4}$  km. Each lap is  $\frac{1}{8}$  km. How many laps did she run?

$$\frac{3}{4} \div \frac{1}{8} = \frac{3}{4} \times \frac{8}{1} = \frac{24}{4} = 6 \text{ laps}$$