Mathematics 6
Worksheet Quarter 1
Week 2

Name: _____Gr./Sec: _____ Teacher: _____

a. Multiplies Simple Fraction and Mixed Fractions M6NS-Ib-90.2
b. Solves routine or non-routine problems involving multiplication without or with addition or subtraction of fractions and mixed fractions using appropriate problem solving strategies and tools. M6NS-Ib-92.2



A garden plot is 5 1/4 meters long and 2/3 meters wide.
What is the area of the garden plot?

- Understand
  What is asked? The area of the garden plot
  What are given? 5 ¼ m. long and 2/3m. wide
- Plan
  What is the operation to be used? multiplication of fraction
  What is the number sentence? $5\frac{1}{3} x \frac{2}{3}$ = N
- Look back (rename mixed number to improper fraction $5\frac{1}{3} = \frac{16}{3}$)
- Solve $\frac{16}{3} x \frac{2}{3} = \frac{32}{9}$ *or* $3\frac{5}{9}$ m. (multiply the numerator and the denominator then simplify the answer.)

Other examples

1. $4 x \frac{4}{11} = \frac{16}{11}$ *or* $1\frac{5}{11}$ (whole number has a denominator of 1. After multiplying simplify) 2. $\frac{\cancel{1}}{\cancel{3}} \times \frac{\cancel{3}}{\cancel{15}} = \frac{3}{6}$ or $\frac{1}{2}$

➢ Exercises #1 Write FACT or BLUFF on the line.

_____1. $\frac{4}{5} \times \frac{5}{6}$ is $\frac{2}{3}$ _____ 2. $\frac{3}{5} x\ 10$ is 7 _____3. $1\frac{3}{8} x\ 3\frac{4}{5}$ is $4\frac{2}{5}$

_____4. $10\frac{1}{3} x \frac{3}{10}$ *is* $3\frac{1}{30}$ _____5. $\frac{2}{5} x \frac{3}{4} x \frac{1}{2}$ is $\frac{6}{22}$

➢ Exercises # 2 Give the answer.

1. What is $\frac{7}{8}$ of 80 2. What is the product of $\frac{4}{5}$, $\frac{1}{2}$ *and* $\frac{3}{5}$ 3. Multiply $4\frac{3}{4}$ by $\frac{5}{6}$

4. Solve $\frac{2}{11} x \frac{3}{10}$ 5. What is missing if $1\frac{1}{5}\ x\ - = \frac{3}{4}$

➢ Exercises #3 Solve the problem.

Michael saved Php. 200.00. He used 1/2 of it to buy a bag and 2/5 of his remaining money to buy paper and pen. What fraction of his money was left? How much was left?

LIVEWORKSHEETS