

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 $5\frac{1}{4}$ meters long and $\frac{2}{3}$ meters wide.
What is the area of the garden plot?

❖ Understand

What is asked? The area of the garden plot

What are given? $5\frac{1}{4}$ m. long and $\frac{2}{3}$ m. wide

❖ Plan

What is the operation to be used? multiplication of fraction

What is the number sentence? $5\frac{1}{4} \times \frac{2}{3} = N$

❖ Look back (rename mixed number to improper fraction $5\frac{1}{4} = \frac{16}{4}$)

❖ Solve $\frac{16}{4} \times \frac{2}{3} = \frac{32}{12}$ or $3\frac{5}{3}$ m. (multiply the numerator and the denominator then simplify the answer.)

Other examples

1. $4 \times \frac{4}{11} = \frac{16}{11}$ or $1\frac{5}{11}$ (whole number has a denominator of 1. After multiplying simplify) 2. $\frac{3}{5} \times \frac{15}{18} = \frac{3}{6}$ 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. $\frac{3}{5} \times 10$ is 7

_____ 3. $1\frac{3}{8} \times 3\frac{4}{5}$ is $4\frac{2}{5}$

_____ 4. $10\frac{1}{3} \times \frac{3}{10}$ is $3\frac{1}{30}$

_____ 5. $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2}$ 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 $\frac{2}{11} \times \frac{3}{10}$

5. What is missing if $1\frac{1}{5} \times \text{---} = \frac{3}{4}$

➤ Exercises #3 Solve the problem.

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