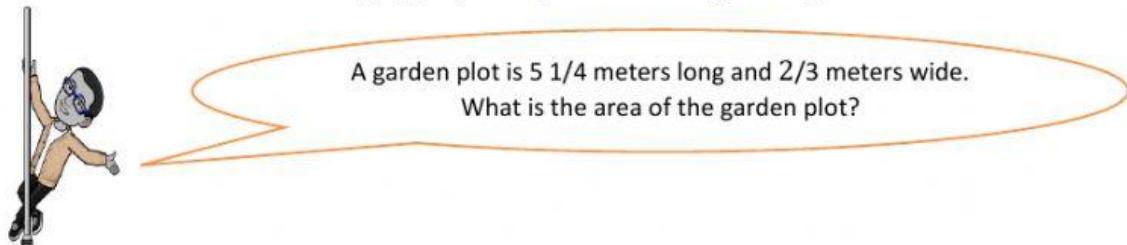


Mathematics 6
Worksheet Quarter 1
Week 2

Name: _____ Gr./Sec: _____ Teacher: _____

- a. Multiplies Simple Fraction and Mixed Fractions M6NS-1b-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-1b-92.2



❖ 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? $5\frac{1}{3} \times \frac{2}{3} = N$

❖ Look back (rename mixed number to improper fraction $5\frac{1}{3} = \frac{16}{3}$)

❖ Solve $\frac{16}{3} \times \frac{2}{3} = \frac{32}{9}$ or $3\frac{5}{9}$ m. (multiply the numerator and the denominator then simplify the answer.)

Other examples

1. $4 \times \frac{4}{11} = \frac{16}{11}$ 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. $\frac{4}{5} \times \frac{5}{6} \text{ is } \frac{2}{3}$ 2. $\frac{3}{5} \times 10 \text{ is } 7$ 3. $1\frac{3}{8} \times 3\frac{4}{5} \text{ is } 4\frac{2}{5}$

4. $10\frac{1}{3} \times \frac{3}{10} \text{ is } 3\frac{1}{30}$ 5. $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2} \text{ is } \frac{6}{22}$

➤ 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 $1/2$ 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?