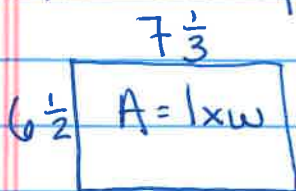


# MS. L13 - Area w/ mixed numbers

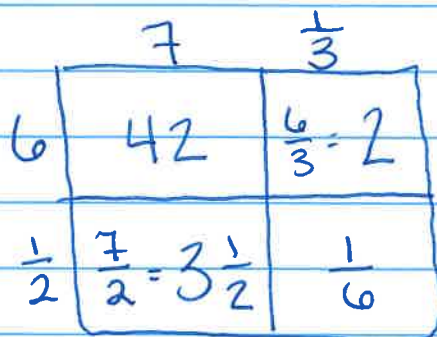
AP

The area of the bathroom floor is  $47\frac{2}{3} \text{ ft}^2$

The cost of the tiles is \$156.00



$$7\frac{1}{3} \times 6\frac{1}{2}$$



$$42 + 3\frac{1}{2} + 2 + \frac{1}{6}$$

$$47 + \frac{3}{6} + \frac{1}{6}$$

$$47\frac{4}{6} = \boxed{47\frac{2}{3}}$$

$\$3.25$  hundredths

$$\begin{array}{r} 48 \\ 2600 \\ 13000 \\ \hline 156.00 \end{array}$$

$$\frac{2}{3} \times \frac{3}{5} = \frac{6}{15} \quad \frac{2 \times \cancel{3}^1}{\cancel{1}^3 \times 5} = \frac{2}{5}$$

$$\frac{3}{4} \times \frac{4}{5} = \frac{12}{20} = \frac{3}{5}$$

$$\frac{5}{26} \times \frac{2}{4} = \frac{15}{24} = \frac{5}{8}$$

$$\frac{1}{3} \times \frac{1}{5} = \frac{1}{15}$$

$$\frac{2}{3} \times \frac{2}{5} = \frac{4}{15}$$

$$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12} \quad \frac{\cancel{3} \times \cancel{2}^1}{24 \times \cancel{3}^1} = \frac{1}{2}$$

$$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$$

Area = Length  $\times$  width

$$1\frac{1}{3} \times 3\frac{3}{4}$$

	3	$\frac{3}{4}$
1	3	$\frac{3}{4}$
$\frac{1}{3}$	$\frac{3}{3} = 1$	$\frac{3}{12} = \frac{1}{4}$

$$3 + \frac{3}{4} + 1 + \frac{1}{4}$$

$$4 + \boxed{\frac{4}{4}} = 5 \text{ in}^2$$

$$1\frac{1}{3} \times 3\frac{3}{4} = \frac{4}{3} \times \frac{15}{4} = \frac{5}{1} = 5 \text{ in}^2$$

$$16\frac{1}{2} \times 4\frac{1}{4}$$

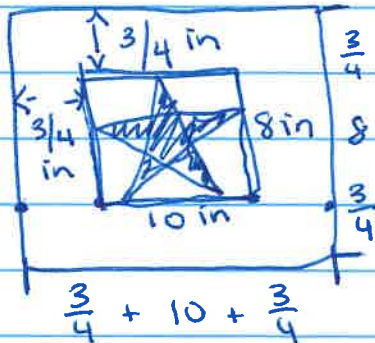
	16	$\frac{1}{2}$
4	64	$\frac{4}{2} = 2$
$\frac{1}{4}$	$\frac{16}{4} = 4$	$\frac{1}{8}$

$$64 + 2 + 4 + \frac{1}{8} = 70\frac{1}{8}$$

$$16\frac{1}{2} \times 4\frac{1}{4} = \frac{33}{2} \times \frac{17}{4} = \frac{561}{8}$$

$$\begin{array}{r} 33 \\ \times 17 \\ \hline 231 \\ 330 \\ \hline 561 \end{array}$$

$$\begin{array}{r} 70\frac{1}{8} \\ 8 \overline{) 561} \\ \underline{56} \phantom{1} \\ 01 \\ \underline{0} \\ 1 \end{array} = 70\frac{1}{8}$$



$$\frac{3}{4} + 10 + \frac{3}{4}$$

$$10 + \frac{6}{4}$$

$$11\frac{1}{2}$$

$$P = 10 \text{ in} \times 8 \text{ in}$$

$$P = 80 \text{ in}^2$$

$$M = 11\frac{1}{2} \times 9\frac{1}{2} = 109\frac{1}{4} \text{ in}^2$$

	9	$\frac{1}{2}$
11	99	$\frac{11}{2} = 5\frac{1}{2}$
$\frac{1}{2}$	$\frac{9}{2} = 4\frac{1}{2}$	$\frac{1}{4}$

$$99 + (5\frac{1}{2} + 4\frac{1}{2}) + \frac{1}{4}$$

$$99 + 10 + \frac{1}{4}$$

$$109\frac{1}{4}$$

$$109\frac{1}{4}$$

$$- 80$$

$$\hline 29\frac{1}{4} \text{ in}^2$$