

$8\frac{1}{3} - (2\frac{2}{3} \div \frac{1}{5})$
 $8\frac{1}{3} - \frac{20}{9}$
 $8\frac{1}{3} = \frac{25}{3}$
 $-\frac{20}{9}$
 $\frac{6}{9}$

IMPROPER FRACTIONS
 $2\frac{2}{3} \div \frac{1}{5}$
 $\frac{8}{3} \cdot \frac{5}{5} = \frac{20}{9}$
 $\frac{20}{9} = 2\frac{2}{9}$

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$(\frac{15}{5})^2 (\frac{1}{2})^3$
 $\frac{4}{5} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{16}{200} = \frac{2}{25}$
 $\frac{4}{5} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} = \frac{2}{25}$
 $\frac{273}{27} \rightarrow \frac{6}{7}$

45
 50
 $\frac{18}{21} \rightarrow \frac{6}{7}$

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$4\frac{5}{9} + 2\frac{7}{9}$
 $\frac{20}{196} + \frac{49}{196} = \frac{69}{196}$

LCD: 7 · 7 · 2 · 2
 $\frac{28}{7} \cdot \frac{4}{4} \cdot \frac{2}{2} \cdot \frac{2}{2}$

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$A = \frac{b \cdot h}{2}$
 $P = s_1 + s_2 + s_3$
 $A = (2\frac{2}{3} \cdot 1\frac{3}{4}) \div 2 = \frac{14}{3} \cdot \frac{7}{4} \div 2 = \frac{49}{6} = 8\frac{1}{6}$
 $P = 7\frac{2}{30} \text{ ft.}$

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3.4 Division of Decimals
A) Dividing by a whole number
 $2\overline{)8.28}$
 $4\overline{)19.59}$
 whole number
 decimal number

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B)
 $170 \div 0.03151$
 $170 \div 3151$
 $300 \overline{)51,000}$
a.
 $1.5 \overline{)20.4}$
 $15 \overline{)2040}$

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$$\frac{1}{4} + .625 \left(\frac{3}{5}\right)$$

$$\begin{array}{r} 411.00 \\ - 80 \\ \hline 20 \\ \hline 20 \end{array}$$

$$\frac{1}{4} + \frac{25}{100} \left(\frac{3}{5}\right) = \frac{1}{4} + \frac{5}{100}$$

$$= \frac{25}{100} + \frac{15}{100} = \frac{40}{100} = \frac{2}{5}$$

$$\begin{array}{r} 5 \overline{) 30} \\ - 30 \\ \hline 13 \\ .025 \\ \times .6 \\ \hline 0.150 \\ \hline .25 \end{array}$$

$$\frac{.25}{.2650} = .265$$

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$$\left(\frac{1}{3}\right)^3 (54) + \left(\frac{1}{5}\right)^3 (25)$$

$$(.333)^3 \cdot 54 + .333^3 \cdot 25$$

$$\begin{array}{r} .333 \\ \cdot .333 \\ \hline 999 \\ 999 \\ \hline 999 \end{array}$$

$$\begin{array}{r} .110889 \\ \cdot .333 \\ \hline 33333 \\ 33333 \\ \hline 33333 \end{array}$$

$$\begin{array}{r} 311.0000 \\ - 9 \\ \hline 109 \\ \hline 109 \\ \hline 1 \end{array}$$

$$54$$

$$.110889$$

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$$\left(\frac{1}{3}\right)^3 \cdot (54) + \left(\frac{1}{5}\right)^3 (25)$$

$$\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} = \frac{1}{27}$$

$$\frac{1}{27} \cdot 54 + \frac{1}{25} \cdot 25$$

$$\frac{1}{27} \cdot \frac{271}{5} + \frac{1}{25} \cdot \frac{51}{2}$$

$$\frac{1}{5} + \frac{1}{10}$$

$$\frac{2}{10} + \frac{1}{10} = \frac{3}{10} = .3$$

$$\begin{array}{r} \left(\frac{1}{3}\right)^3 (54) + \left(\frac{1}{5}\right)^3 (25) \\ \frac{1}{27} (54) + \left(\frac{1}{25}\right) (25) \\ \frac{1}{27} \cdot 54 + \frac{1}{25} \cdot 25 \\ \frac{1}{27} \cdot \frac{271}{10} + \frac{1}{25} \cdot \frac{251}{10} \\ \frac{2}{10} + \frac{1}{10} \\ \frac{3}{10} = .3 \end{array}$$

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Area $\Delta = b \cdot h \cdot \frac{1}{2}$

$$= 3.3 (h) \cdot \frac{1}{2}$$

$$\begin{array}{r} 1099 \\ 2 \overline{) 2178} \\ \underline{2} \\ 01 \\ \underline{0} \\ 17 \\ \underline{16} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

$$21.78$$

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Quiz

- $\left(\frac{1}{3}\right)^3 \left(\frac{1}{2}\right)^4 \left(\frac{2}{5}\right)$
- $7\frac{2}{5} - \left(3\frac{2}{3} \div 4\frac{1}{2}\right)$
- $2.031 \div .16$

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(Empty box)

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