

$$\begin{array}{r} 1.35 \\ \times .03 \\ \hline 405 \\ 000 \\ \hline .0405 \end{array}$$

$$\begin{array}{r} 43.333 = 4333 \\ .03 \overline{) 130.000} \\ \underline{12} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 10 \end{array}$$

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$$\begin{aligned} .037 &\approx .04 \\ .031 &\approx .03 \\ \frac{3}{5}(.6) - \frac{2}{3}(.15) &= (.6)(.6) - (.67)(.15) \\ \frac{3}{5}(\frac{6}{10}) - \frac{2}{3}(\frac{15}{100}) &= \frac{18}{50} - \frac{5}{50} = \frac{13}{50} \end{aligned}$$

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thirty-two ten-thousandths

.0032

fifteen millionths

.000015

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

6.9 = 6.90000000

000025

~~6.9 ≠ 6.09~~

= (6.900) = (6.9)

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$(3 \overline{) 25} = 15$

$3 \cdot 5 = 15$

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Homework due 10/9:

4.3 1-53 even; 57-67 odd

4.4 1-43 even, 45-50

36 drapes for \$12.49 $\frac{\$12.49 \times 36}{36 \text{ drapes}}$

38 drapes for \$11.99

$\frac{\$34.69}{36} = \0.9636

$\frac{\$34.69}{36} - \frac{\$21.6}{36} = \frac{\$13.09}{36} = \0.3636

$\$34.69 - \$21.6 = \$13.09$

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$401\frac{9}{10}$ 4.019
 $\frac{36}{12.49}$ $\frac{12.49}{36} = \frac{\$}{\$}$
 $\$.15 = 15 \text{¢}$
 $\$.3469 = 34.69 \text{¢}$
 34.7¢

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4.4 Proportions
 Proportion \rightarrow 2 equal ratios
 ① $\frac{3}{6} = \frac{4}{8}$ $\frac{4}{5} = \frac{8}{10}$ $\frac{3}{4} = \frac{5}{6}$
 EXTREMES: 3,8 E: 4,10 E: 3,6
 MEANS: 4,6 M: 8,5 M: 5,4
 The product of the extremes = product of the means:
 ① $3 \cdot 8 = 4 \cdot 6$ ② $4 \cdot 10 = 5 \cdot 8$
 $24 = 24$ $40 = 40$

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$\frac{3}{4} = \frac{9}{x}$ $\frac{2}{y} = \frac{8}{19}$
 $3 \cdot x = 9 \cdot 4$ $2 \cdot 19 = 8y$
 $\frac{3x}{3} = \frac{36}{3}$ $\frac{38}{8} = \frac{8y}{8}$
 $x = 12$ $4\frac{7}{8} = y$
 $4\frac{7}{8} = y$
 $4\frac{7}{8} = y$
 $4.75 = y$

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$\frac{n}{6} = \frac{0.3}{15}$ E: n,15
 $6 \cdot 0.3 = 15n$ M: 0.3,6
 $1.8 = 15n$
 $\frac{1.8}{15} = \frac{15n}{15}$
 $.12 = n$
 $\frac{6}{1.8}$
 $15 \overline{) 1.80}$
 $\underline{15}$
 30

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$\frac{3}{4} = \frac{x}{8}$ E: $\frac{3}{4}, 8$
 $\frac{3 \cdot 8}{4} = 7x$ M: 7,x
 $\frac{6}{4} = \frac{7x}{8}$ $\frac{3 \cdot 8}{4} = \frac{24}{4} = 6$
 $\frac{6}{7} = x$ $\frac{3 \cdot 8^2}{4 \cdot 1} = \frac{6}{1} = 6$
 $7 \overline{) 857.00}$
 $\underline{56}$
 40
 $\underline{35}$
 70

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