

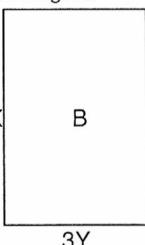
Lesson 1

- 1) $135 \div 9 = 15$;
 $15 \times 2 = 30$ people approved
 $135 \div 5 = 27$ people disapproved
 $30 + 27 = 57$ people answered
 $135 - 57 = 78$ people didn't answer
 more people didn't answer
- 2) $49,170 \div 1,250 = 39$ r. 420
 39 times with 420 sq. mi. left over
- 3) $2 \times \$35.99 = \71.98
 $\$71.98 + \$15.95 = \$87.93$
 $\$87.93 - \$5.00 = \$82.93$
 $\$100.00 - \$82.93 = \$17.07$ change
- 4) $\$17.07 - \$10.00 = \$7.07$;
 $\$7.07 - \$5.00 = \$2.07$;
 $\$2.07 - \$2.00 = \$0.07$;
 $\$0.07 - \$0.05 = \$0.02$;
 a ten, a five, two ones, a nickel, and two pennies
- 5) $24 \times 12 = 288$ per case;
 $900 \div 288 = 3.125$
 rounded to next whole number is 4
- 6) $1,260 \div 60 = 21$ hours
- 7) $15 + (-33) = -18$;
 $-18 + 5 = -13$

Lesson 2

- 1) Beginning price was \$60, and he purchased 30 shares, so he spent $30 \times \$60$, or \$1,800. Ending price was \$45, and he sold 30 shares, so he received $30 \times \$45$ or \$1,350.
 $\$1,800 - \$1,350 = \$450$ lost
- 2) $\frac{3}{8} + \frac{1}{8} + \frac{3}{8} = \frac{7}{8}$ of a mile traveled
 $\frac{8}{8} - \frac{7}{8} = \frac{1}{8}$ of a mile left
- 3) ran $\frac{3}{8} + \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$ mile
 $5,280 \div 4 = 1,320$; $1,320 \times 3 = 3,960$ ft. running
 jogged $\frac{1}{8}$ mile
 $5,280 \div 8 = 660$ ft. jogging
 Distance walking is the same as distance jogging, so that is 660 ft. also.
- 4) $21 \times 60 = 1,260$ per hour
 $1,260 \times 24 = 30,240$ per day
 $30,240 \times 365 = 11,037,600$ per year
- 5) $-5 + 4 - 8 + 10 + 5 - 4 - 6 = -4$ gallons
- 6) $-4 \times 4 = -16$ qts

Lesson 3

- 1) $68 \div 4 = 17$ units on a side
 $17 \times 17 = 289$ sq. units
- 2) $8 \times 6 = 48$ sq. units
 $16 \times 12 = 192$ sq. units
 $192 \div 48 = 4$ times the original
- 3) $4 \times 3 = 12$ sq. units
 $12 \div 48 = 1/4$ the original
- 4) 
 area of rectangle A = XY sq units
 area of rectangle B = $9XY$ sq units
 $9XY \div XY = 9$
 the area of B is 9 times that of A
- 5) 39
- 6) 13 This can easily be solved by drawing a diagram or a number line.
- 7) rectangle: $14 \times 16 = 224$ sq. in.
 triangle: $1/2 \times 14 \times 15 = 105$ sq. in.
 total: $224 + 105 = 329$ sq. in.
- 8) $3.14(15^2) = 706.5$ sq. in.
 $3.14(12^2) = 452.16$ sq. in.
 $706.5 - 452.16 = 254.34$ sq. in.