

18E

$$1) \quad \begin{array}{r} 1000 \\ 1 \overline{) 1000} \\ \underline{1000} \end{array}$$

2)  $.1 \times 1000 = 100$

$$3) \quad \begin{array}{r} 250 \\ 6 \overline{) 1500} \\ \underline{12} \phantom{00} \\ 300 \\ \underline{300} \end{array}$$

4)  $.06 \times 250 = 15$

$$5) \quad \begin{array}{r} 1.9 \\ 8 \overline{) 15.2} \\ \underline{80} \phantom{0} \\ 72 \\ \underline{72} \end{array}$$

6)  $8 \times 1.9 = 15.2$

$$7) \quad \begin{array}{r} .0002 \\ 30 \overline{) .0060} \\ \underline{60} \phantom{0} \end{array}$$

8)  $30 \times .0002 = .006$

9)  $3.14(9)^2 = 254.34 \text{ sq. m}$

10)  $2(3.14)(9) = 56.52 \text{ m}$

11)  $12 \times 12 = 144$

12)  $1 \times 1 = 1$

13)  $5 \times 5 = 25$

14)  $8 + 8 + 10 = 26 \text{ ft.}$

15)  $5 + 12 + 13 = 30 \text{ in.}$

16)  $1.9 + 1.7 + 1.1 = 4.7 \text{ m}$

17)  $20 + 30 + 20 + 30 = 100 \text{ cm}$   
 $100 \text{ cm} = 1 \text{ m}$

18)  $100 \times 2.1 = 210$

19)  $\frac{1}{2} + 1\frac{1}{4} = \frac{2}{4} + 1\frac{1}{4} = 1\frac{3}{4}$

20)  $\$8 \div \$ .75 = 10.67;$   
10 cones

18F

$$1) \quad \begin{array}{r} 123000 \\ 3 \overline{) 369000} \\ \underline{300000} \phantom{0} \\ 69000 \\ \underline{69000} \\ 9000 \\ \underline{9000} \end{array}$$

2)  $.003 \times 123,000 = 369$

$$3) \quad \begin{array}{r} 100 \\ 49 \overline{) 4900} \\ \underline{4900} \end{array}$$

4)  $.49 \times 100 = 49$

$$5) \quad \begin{array}{r} 4.5 \\ 5 \overline{) 22.5} \\ \underline{200} \phantom{0} \\ 25 \\ \underline{25} \end{array}$$

6)  $5 \times 4.5 = 22.5$

$$7) \quad \begin{array}{r} .0002 \\ 8 \overline{) .0016} \\ \underline{16} \phantom{00} \end{array}$$

8)  $8 \times .0002 = .0016$

9)  $3.14(1.2)^2 = 4.5216 \text{ sq. in.}$

10)  $2(3.14)(1.2) = 7.536 \text{ in.}$

11)  $25 \times 25 = 625$

12)  $7 \times 7 = 49$

13)  $100 \times 100 = 10,000$

14)  $25 + 25 + 32 = 82 \text{ ft.}$

15)  $6 + 8 + 10 = 24 \text{ in.}$

16)  $1.08 + .89 + .7 = 2.67 \text{ m}$

17)  $25 \div .5 = 50$

18)  $\$37.50 \times 1.50 = \$56.25$

$\$56.25 \div 50 = \$1.125$

$(\text{rounds to } \$1.13)$

19)  $\$42.50 \times 1.34 = \$56.95$

20)  $4,520 \div 1000 = 4.52 \text{ kg}$

19A

1) done

2) done

3)  $.06X = 24$

$\frac{.06X}{.06} = \frac{24}{.06}$

$X = 24 \div .06 = 400$

4)  $.06(400) = 24$

$24 = 24$

5)  $.7A = 490$

$\frac{.7A}{.7} = \frac{490}{.7}$

$A = 490 \div .7 = 700$

6)  $.7(700) = 490$

$490 = 490$

7)  $.002R = 6$

$\frac{.002R}{.002} = \frac{6}{.002}$

$R = 6 \div .002 = 3000$

8)  $.002(3000) = 6$

$6 = 6$

9)  $.2M = 84$

$\frac{.2M}{.2} = \frac{84}{.2}$

$M = 84 \div .2 = \$420$

10)  $.15T = 3$

$\frac{.15T}{.15} = \frac{3}{.15}$

$T = 3 \div .15 = 20 \text{ ft.}$

19B

1)  $.5Y = 8$

$\frac{.5Y}{.5} = \frac{8}{.5}$

$Y = 8 \div .5 = 16$

2)  $.5(16) = 8$

$8 = 8$

3)  $.03X = 21$

$\frac{.03X}{.03} = \frac{21}{.03}$

$X = 21 \div .03 = 700$

4)  $.03(700) = 21$

$21 = 21$

5)  $.1A = 30$

$\frac{.1A}{.1} = \frac{30}{.1}$

$A = 30 \div .1 = 300$

6)  $.1(300) = 30$

$30 = 30$

7)  $.008R = 16$

$\frac{.008R}{.008} = \frac{16}{.008}$

$R = 16 \div .008 = 2000$

8)  $.008(2000) = 16$

$16 = 16$

9)  $.7P = \$140$

$\frac{.7P}{.7} = \frac{140}{.7}$

$P = 140 \div .7 = \$200$

10)  $.8H = 60$

$\frac{.8H}{.8} = \frac{60}{.8}$

$H = 60 \div .8 = 75 \text{ in.}$

19C

1)  $.6Y = 6$

$$\frac{.6Y}{.6} = \frac{6}{.6}$$

$$Y = 6 \div .6 = 10$$

2)  $.6(10) = 6$

$$6 = 6$$

3)  $.04X = 32$

$$\frac{.04X}{.04} = \frac{32}{.04}$$

$$X = 32 \div .04 = 800$$

4)  $.04(800) = 32$

$$32 = 32$$

5)  $.3A = 93$

$$\frac{.3A}{.3} = \frac{93}{.3}$$

$$A = 93 \div .3 = 310$$

6)  $.3(310) = 93$

$$93 = 93$$

7)  $.005R = 5$

$$\frac{.005R}{.005} = \frac{5}{.005}$$

$$R = 5 \div .005 = 1000$$

8)  $.005(1000) = 5$

$$5 = 5$$

9)  $.25G = 4$

$$\frac{.25G}{.25} = \frac{4}{.25}$$

$$G = 4 \div .25 = 16$$

10)  $.05R = 10$

$$\frac{.05R}{.05} = \frac{10}{.05}$$

$$R = 10 \div .05 = \$200$$

19D

1)  $.22Q = 88$

$$\frac{.22Q}{.22} = \frac{88}{.22}$$

$$Q = 88 \div .22 = 400$$

2)  $.22(400) = 88$

$$88 = 88$$

3)  $.007X = 35$

$$\frac{.007X}{.007} = \frac{35}{.007}$$

$$X = 35 \div .007 = 5000$$

4)  $.007(5000) = 35$

$$35 = 35$$

5)  $4 \div 20 = .2$

6)  $20 \times .2 = 4$

7)  $3.6 \div 18 = .2$

8)  $18 \times .2 = 3.6$

9) done

10)  $10 \times 10 = 100$  sq. ft.

11)  $15 \times 7 = 105$  sq. m

12)  $9 \times 12 = 108$  sq. ft.

13)  $9 + 12 + 9 + 12 = 42$  ft.

14)  $.35M = 105$

$$\frac{.35M}{.35} = \frac{105}{.35}$$

$$M = 105 \div .35 = \$300$$

15)  $2(3.14)(5) = 31.4$  mi.

16)  $3.14(5)^2 = 78.5$  sq. mi.

17)  $5$  km = 5000 m

$$5000 > 500$$

she drove further

18)  $\$30.75 \div 5 = \$6.15$

19E

1)  $.9D = 27$

$$\frac{.9D}{.9} = \frac{27}{.9}$$

$$D = 27 \div .9 = 30$$

2)  $.9(30) = 27$

$$27 = 27$$

3)  $.08F = 5$

$$\frac{.08F}{.08} = \frac{5}{.08}$$

$$F = 5 \div .08 = 62.5$$

4)  $.08(62.5) = 5$

$$5 = 5$$

5)  $5500 \div 11 = 500$

6)  $.11 = 500 = 55$

7)  $.16 \div 40 = .004$

8)  $40 \times .004 = .16$

9)  $10 \times 4 = 40$  sq. in.

10)  $45 \times 45 = 2,025$  sq. ft

11)  $2.3 \times 1.2 = 2.76$  sq. m

12)  $4 \times 11 = 44$  sq. yds.

13)  $3 + 3 + 3 + 3 = 12$

14)  $.40P = \$80$

$$\frac{.4P}{.4} = \frac{80}{.4}$$

$$P = 80 \div .4 = \$200$$

15)  $10 \times 12 = 120$  sq. in.

16)  $3.14(6)^2 = 113.04$  sq. in.

17)  $120 > 113.04$

the rectangular one is better

18)  $2$  m = 200 cm; they are

the same height

19)  $\$57.04 \div 8 = \$7.13$

20)  $4.5 + 5 + 3.75 = 13.25$  in.

19F

1)  $.32G = 64$

$$\frac{.32G}{.32} = \frac{64}{.32}$$

$$G = 64 \div .32 = 200$$

2)  $.32(200) = 64$

$$64 = 64$$

3)  $.005Y = 4$

$$\frac{.005Y}{.005} = \frac{4}{.005}$$

$$Y = 4 \div .005 = 800$$

4)  $.005(800) = 4$

$$4 = 4$$

5)  $10,000 \div 1 = 10,000$

6)  $.001 \times 10,000 = 10$

7)  $1.26 \div 21 = .06$

8)  $.06 \times 21 = 1.26$

9)  $6 \times 2 = 12$  sq. m

10)  $1.2 \times 1.2 = 1.44$  sq. ft.

11)  $17 \times 10 = 170$  sq. in.

12)  $5 \times 6 = 30$  sq. ft.

13)  $3.14(3)^2 = 28.26$  sq. ft.

14)  $30 - 28.26 = 1.74$  sq. ft.

15)  $1 + 1 + 1 + 1 = 4$  mi.

16)  $.32T = 200$

$$\frac{.32T}{.32} = \frac{200}{.32}$$

$$T = 200 \div .32 = 625$$
 hours

17)  $625 - 200 = 425$  hours

18)  $652 \div 1000 = .652$  kg

19)  $\$121.92 \div 12 = \$10.16$

20)  $6.25 + 7.1 + 6.25 + 7.1 = 26.7$  in.