MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Change the given quantity to the indicated unit.
1) 42,240 ft = _____ mi
   A) 8.5  B) 211.2  C) 9  D) 8
2) 420 sec = _____ min
   A) 13  B) 17  C) 7  D) 3

Compute.
3) 5 lb 7 oz - 3 lb 3 oz
   A) 8 lb 10 oz  B) 2 lb 4 oz  C) 8 lb 4 oz  D) 2 lb 10 oz
4) 5 min 16 sec + 8 min 16 sec
   A) 11 min 43 sec  B) 14 min 73 sec  C) 13 min 27 sec  D) 14 min 43 sec

Solve the problem.
5) A drippy faucet wastes 36 oz of water a day. If there are 113 million such drippy faucets, how much water, in gallons, is wasted in a day?
   A) 127,125,000 gal/day  B) 31,781,250 gal/day  C) 63,562,500 gal/day  D) 4068 gal/day
6) Suppose that you walk 8 mi. Express this distance in yards.
   A) 8000 yd  B) 14,080 yd  C) 1408 yd  D) 800 yd
7) Roger agreed to 9 years of car payments. He has been making payments for 5 yr and 3 mo. How much longer does he have to keep making payments?
   A) 3 yr  B) 3 yr 3 mo  C) 3 yr 2 mo  D) 3 yr 9 mo

Determine the most appropriate metric unit to go in the blank. Choose from km, m, cm, mm, L, ml, kg, g, and mg.
8) She took 470 _____ of vitamin C.
   A) mg  B) L  C) g  D) kg

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Change the given quantity to the indicated unit.
9) 8.74 m = _____ cm
10) 146 mg = ___ g  
11) 638 mm = ___ cm  
12) 39 L = ___ ml

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Combine.
13) 7 L - 200 ml
   A) 500 L   B) 6800 ml   C) 69,800 ml   D) 6800 L

14) 28 kg +34.4 g
   A) 280,034.4 g   B) 2834.4 g   C) 2834.4 kg   D) 28,034.4 g

Change the given quantity to the indicated unit. Round the answer to the nearest tenth of the unit if necessary.
15) 2.5 ft ≈ ___ cm
   A) 75.0 cm   B) 63.5 cm   C) 98.4 cm   D) 6.4 cm

16) 14 lb ≈ ___ g
   A) 5880.0 g   B) 6300.0 g   C) 6510.0 g   D) 6356.0 g

17) 7 oz ≈ ___ g
   A) 246.4 g   B) 31.8 g   C) 196.0 g   D) 3178.0 g

Solve the problem. Round to the nearest tenth if necessary.
18) A medical clinic has 0.2 L of a medication on hand. How many milliliters are on hand?
   A) 2000 ml   B) 20 ml   C) 2 ml   D) 200 ml

19) A consumer wants to purchase 1.5 L of antibacterial liquid hand soap. The bottles on the store shelf hold 16 oz, 32 oz, 48 oz, and 64 oz. Which bottle comes closest to containing the desired quantity? (1 qt = 32 oz)
   A) 16 oz   B) 48 oz   C) 64 oz   D) 32 oz

20) Mustaf flew his helicopter at a speed of 73 km/hr. Express this speed in miles per hour.
   A) 4.6 mi/hr   B) 1168 mi/hr   C) 116.8 mi/hr   D) 45.6 mi/hr