Jmath.net
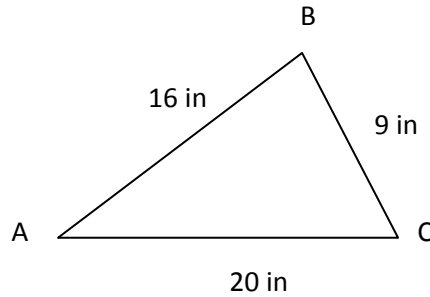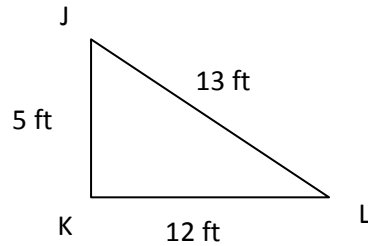
PERIMETER, AREA & VOLUME: Worksheet 3

Find perimeters of the following figures.

1) Rectangle with length 8 in and width 7 in.
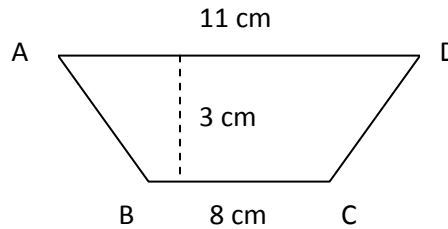
2) Triangle ABC

3) Square with side 8 yds.

Find areas of the following figures.

4) Rectangle with length 7 in and width 6 in.
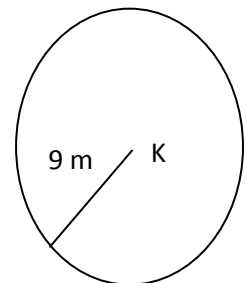
5) Right triangle JKL

6) Square with side 11 ft.
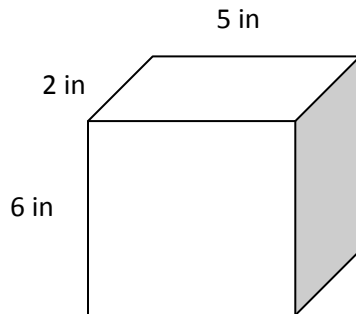
7) Trapezoid ABCD
$$Trap = \frac{1}{2}h(b_1 + b_2)$$

8) Circle K with radius 9 m. ($\pi = 3.14$).
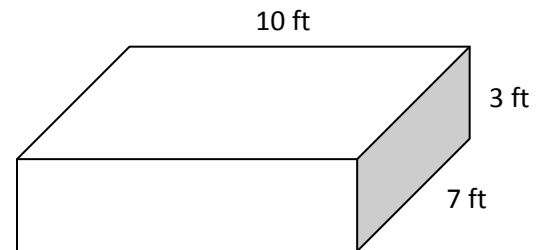
Find volumes of the following figures.

9) Figure A

10) Figure B

KEY
PERIMETER, AREA & VOLUME: Worksheet 3

Find perimeters of the following figures.
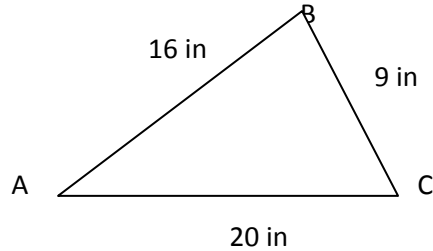
1) Rectangle with length 8 in and width 7 in.

$$2 \times 8 + 2 \times 7 = 16 + 14 = 30 in$$

2) Triangle ABC

$$16 + 9 + 20 = 45 in$$

3) Square with side 8 yd.

$$4 \times 8 = 32 yd$$

Find areas of the following figures.
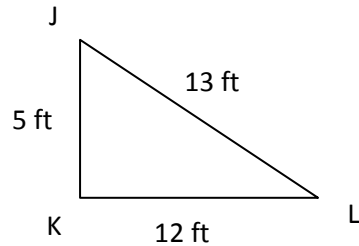
4) Rectangle with length 7 in and width 6 in.

$$7 \times 6 = 42 sq.in.$$

5) Right triangle JKL

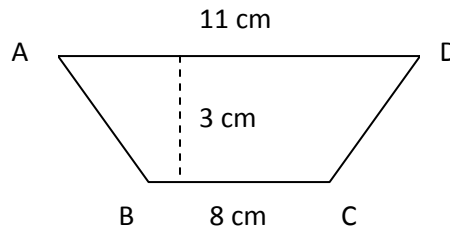$$\frac{1}{2} \times 12 \times 5 = 30 sq.ft.$$

6) Square with side 11 ft.

$$11 \times 11 = 121 sq.ft.$$
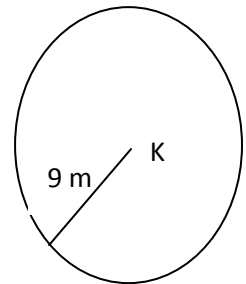
7) Trapezoid ABCD
$$Trap = \frac{1}{2} h (b_1 + b_2)$$
$$\frac{1}{2} \times 3 \times (8 + 11) = 28.5 sq.cm.$$
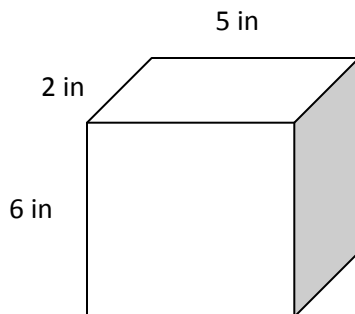
8) Circle K with radius 9 m. ($\pi = 3.14$).

$$3.14 \times 9^2 = 254.34 sq.m.$$

Find volumes of the following figures.

9) Figure A

$$5 \times 2 \times 6 = 60 cu.in.$$

10) Figure B

$$10 \times 7 \times 3 = 210 cu.ft.$$