

Name: \_\_\_\_\_

# Linear Measurement Conversions

Inches, Feet, Yards, and Miles

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 mile (mi) = 5,280 feet (ft)

1 mile (mi) = 1,760 yards (yd)

example:  $2\frac{1}{2}$  mi = **13,200** ft

$$5,280 \times 2 = 10,560$$

$$5,280 \div 2 = 2,640$$

$$10,560 + 2,640 = 13,200$$

a.  $6\frac{1}{2}$  ft = \_\_\_\_\_ in.

b. 10 mi = \_\_\_\_\_ yd

c. 21,120 ft = \_\_\_\_\_ mi

d. 102 in. = \_\_\_\_\_ ft

e.  $3\frac{1}{2}$  mi = \_\_\_\_\_ yd

f. 47,520 ft = \_\_\_\_\_ mi

g. 192 in. = \_\_\_\_\_ ft

h. 12 mi = \_\_\_\_\_ yd

i. 159 ft = \_\_\_\_\_ yd

j. 18 yd = \_\_\_\_\_ ft

k. For a science experiment, each student needs 24 inches of white string and 4 feet of red string. How many yards of string does each student need?

answer: \_\_\_\_\_

l. Anna walked  $5\frac{1}{2}$  miles plus 20 more yards. How many total yards did Anna walk?

answer: \_\_\_\_\_

# ANSWER KEY

## Linear Measurement Conversions

Inches, Feet, Yards, and Miles

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 mile (mi) = 5,280 feet (ft)

1 mile (mi) = 1,760 yards (yd)

example:  $2\frac{1}{2}$  mi = 13,200 ft

$$5,280 \times 2 = 10,560$$

$$5,280 \div 2 = 2,640$$

$$10,560 + 2,640 = 13,200$$

a.  $6\frac{1}{2}$  ft = 78 in.

b. 10 mi = 17,600 yd

c. 21,120 ft = 4 mi

d. 102 in. =  $8\frac{1}{2}$  ft

e.  $3\frac{1}{2}$  mi = 6,160 yd

f. 47,520 ft = 9 mi

g. 192 in. = 16 ft

h. 12 mi = 21,120 yd

i. 159 ft = 53 yd

j. 18 yd = 54 ft

k. For a science experiment, each student needs 24 inches of white string and 4 feet of red string. How many yards of string does each student need?

answer: 2 yards

l. Anna walked  $5\frac{1}{2}$  miles plus 20 more yards. How many total yards did Anna walk?

answer: 9,700 yards