

Units of length conversions

name: _____

Measurements Worksheet

Convert the given measures to new units.

1. 72 in = _____ ft 2. 54 ft = _____ yd

3. 45 yd = _____ ft 4. 26 ft = _____ yd

5. 61 ft = _____ yd 6. 23 in = _____ yd

7. 81 yd = _____ ft 8. 93 yd = _____ in

9. 55 yd = _____ in 10. 40 ft = _____ yd

11. 36 ft = _____ yd 12. 89 yd = _____ ft

13. 19 yd = _____ ft 14. 13 in = _____ ft

15. 35 in = _____ ft 16. 27 ft = _____ in

$$1. 72 \text{ in} \times \frac{1 \text{ ft}}{12 \text{ in}} = \boxed{6 \text{ ft}}$$

$$2. 54 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} = \boxed{18 \text{ yd}}$$

$$3. 45 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = \boxed{135 \text{ ft}}$$

$$\text{R } 4. 26 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} = 8.66$$
$$.66 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = 1.98$$
$$= \boxed{8 \text{ yd } 2 \text{ ft}}$$

$$\text{R } 5. 61 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} = \boxed{20.33}$$

$$6. 23 \text{ in} \times \frac{1 \text{ yd}}{36 \text{ in}} = \boxed{0 \text{ yd } 23 \text{ in}}$$

$$.33 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = .99$$
$$= \boxed{20 \text{ yd } 1 \text{ ft}}$$

$$7. 81 \text{ yds} \times \frac{3 \text{ ft}}{1 \text{ yd}} = \boxed{243 \text{ ft}}$$

$$8. 93 \text{ yds} \times \frac{36 \text{ in}}{1 \text{ yd}} = \boxed{3348 \text{ in}}$$

$$9. 55 \text{ yd} \times \frac{36 \text{ in}}{1 \text{ yd}} = \boxed{1980 \text{ in}}$$

$$10. 40 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} = \boxed{13 \text{ yd } 1 \text{ ft}}$$

$$11. 36 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} = \boxed{12 \text{ yd}}$$

$$12. 89 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = \boxed{267 \text{ ft}}$$

$$13. 19 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = \boxed{57 \text{ ft}}$$

$$\text{R } 14. 13 \text{ in} \times \frac{1 \text{ ft}}{12 \text{ in}} = 1.08 \text{ ft}$$

$$.08 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = .96$$
$$1 \text{ ft } 1 \text{ in.}$$

$$\text{R } 15. 35 \text{ in} \times \frac{1 \text{ ft}}{12 \text{ in}} = \boxed{2.92 \text{ ft}}$$

$$16. 27 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = 324 \text{ in}$$

$$.92 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = \boxed{2 \text{ ft } 11 \text{ in}}$$