

Name

Key

Date

HR

## Household Measurement WS

Convert, show all work for full credit. The answers are on the back to check as you work.

ft = feet

3ft

in = inches

gal = gallons

yd = yard

1yd

qt = quart

C = cups

1. 27 ft = 9 yd

$\frac{27}{3} = 9$

2. 6 C = 3 pt

2 cups = 1 pt

$\frac{C}{pt} = \frac{6}{x} = \frac{2}{1} \quad 2x=6$

3. 6 ft = 72 in

$\frac{ft}{in} = \frac{6}{x} = \frac{1}{12}$

4. 10 C = 5 pt

$\frac{C}{pt} = \frac{2}{1} = \frac{10}{x} \quad 2x=10$

5. 12 ft = 144 in

$\frac{ft}{in} = \frac{1}{12} = \frac{12}{x}$

6. 6 ft = 2 yd

$\frac{ft}{yd} = \frac{3}{1} = \frac{6}{x} \quad 3x=6$

7. 30 ft = 10 yd

$\frac{ft}{yd} = \frac{30}{x} = \frac{3}{1} \quad 3x=30$

8. 60 in = 5 ft

$\frac{in}{ft} = \frac{60}{x} = \frac{12}{1} \quad 12x=60$

9. 28 qt = 7 gal

$\frac{qt}{gal} = \frac{4}{1} = \frac{28}{x} \quad 4x=28$

10. 2 qt = 8 C

$\frac{qt}{C} = \frac{1}{4} = \frac{2}{x}$

11. 24 qt = 6 gal

$\frac{qt}{gal} = \frac{24}{x} = \frac{4}{1}$

4 qts = 1 gal

$\frac{24}{x} = \frac{4}{1}$

4x=24

12. 10 ft = 120 in

1ft = 12 in

$\frac{ft}{in} = \frac{1}{12} = \frac{10}{x}$

13. 4 C = 1 qt

$\frac{C}{qt} = \frac{4}{1} = \frac{4}{x} \quad 2x=4$

14. 7 yd = 21 ft

$\frac{yd}{ft} = \frac{1}{3} = \frac{7}{x} \quad 21=x$

15. 8 yd = 24 ft

$\frac{yd}{ft} = \frac{1}{3} = \frac{8}{x}$

16. 5 yd = 15 ft

$\frac{yd}{ft} = \frac{5}{x} = \frac{1}{3}$

17. 4 pt = 8 C

$\frac{pt}{C} = \frac{4}{x} = \frac{1}{2}$

18. 7 pt = 14 C

$\frac{pt}{C} = \frac{1}{2} = \frac{7}{x}$

19. 12 qt = 3 gal

$\frac{qt}{gal} = \frac{4}{1} = \frac{12}{x} \quad 4x=12$

20. 4 qt = 16 C

$\frac{qt}{C} = \frac{4}{x} = \frac{1}{4}$