



Capacity Capers

1. 3 quarts = _____ pints
2. 10 pints = _____ cups
3. 12 cups = _____ quarts
4. 24 cups = _____ gallons
5. Bubbles the Clown has a large watergun that he squirts at the audience. If the watergun holds 18 cups of water; how many quarts of water does it hold?
6. Jumbo the elephant can suck 2 gallons of water into his trunk at one time. How many cups of water can his trunk hold?
7. 12 pints = _____ gallons
8. 8 pints = _____ quarts
9. 3 cups = _____ pints
10. 5 gallons = _____ quarts





Unit 4 Lesson 1

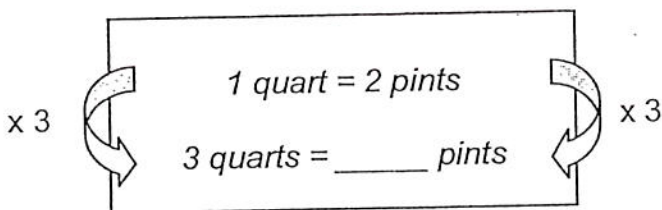
Independent Practice

To convert between different quantities:

- Use your TAKS Mathematics Chart to find a relationship between the 2 quantities.
- Record that relationship on your paper.
- Record the unknown statement and be sure like units are lined up.
- Determine the scale factor and use it to determine the unknown quantity.

Example 1

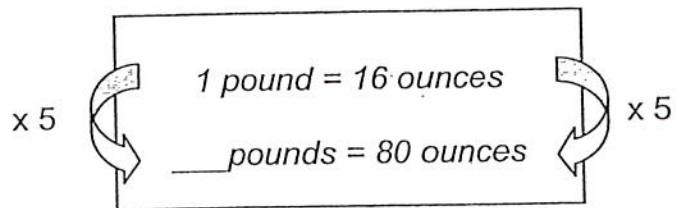
$$3 \text{ quarts} = \underline{\hspace{2cm}} \text{ pints}$$



$$3 \text{ quarts} = 6 \text{ pints}$$

Example 2

$$80 \text{ ounces} = \underline{\hspace{2cm}} \text{ pounds}$$



$$80 \text{ ounces} = 5 \text{ pounds}$$

1. $5 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

2. $16 \text{ qt} = \underline{\hspace{2cm}} \text{ pt}$

3. A rectangular sandbox has dimensions of 4 feet by 5 feet. How many yards is the perimeter of the sandbox?

4. $12 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

5. $2 \text{ yd} = \underline{\hspace{2cm}} \text{ in.}$



6. A baby weighed 8 pounds 3 ounces at birth. How many ounces does the baby weigh?

7. $15 \text{ ft} = \underline{\hspace{2cm}} \text{ yd}$

8. $48 \text{ in.} = \underline{\hspace{2cm}} \text{ ft}$

9. A fruit punch recipe is made by mixing 1 gallon of orange juice, 2 quarts of cranberry juice, and 1 pint of pineapple juice. How many cups does this recipe make?

10. $3 \text{ gal} = \underline{\hspace{2cm}} \text{ pt}$

11. $180 \text{ min} = \underline{\hspace{2cm}} \text{ hr}$

12. A teacher is serving milk and cookies to her students. She has 1 gallon of milk to divide evenly among her 16 students. How many ounces of milk will each student receive?

13. $6 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

14. $800 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$



- 1 Mia's MP3 player will hold $5\frac{1}{2}$ hours of music. How many minutes are in $5\frac{1}{2}$ hours?
- A 300 minutes
B 330 minutes
C 350 minutes
D 360 minutes
- 2 A large cooler will hold 5 gallons of water. How many 8-ounce servings of water are in 5 gallons?
- A 640 servings
B 80 servings
C 40 servings
D 16 servings
- 3 The distance between home plate and first base on a baseball field is 90 feet. How many yards are in 90 feet?
- A 270 yards
B 90 yards
C 30 yards
D 10 yards
- 4 The distance between Stephen's house and Jeremy's house is 4 miles. How many yards are in 4 miles?
- A 586 yards
B 1,760 yards
C 7,040 yards
D 15,840 yards