

Weekly

Math

HOMework

March 18 - 21



DUE WEDNESDAY: "Time" (2 pgs - circled problems only)

DUE THURSDAY: "Weight and Mass" (2 pgs - circled problems only)

DUE FRIDAY: "Capacity" (2 pgs - circled problems only)

and "Problem Solving: Area and Perimeter"

Multiplication Timed Test on Friday!

My timed test on Friday is on the _____ facts!

N a m e _____

Parent Signature _____

Independent Practice

Key Words

day (d)
hour (hr)
minute (min)
second (sec)

Units of time include days, hours, minutes, and seconds. You can use time equivalents to compute with time.

Units of Time
1 minute (min) = 60 seconds (sec)
1 hour (hr) = 60 minutes
1 day (d) = 24 hours

You can use addition, subtraction, multiplication, and division to solve problems about time. You can convert from a larger unit of time to a smaller unit of time.

Example:

$$6 \text{ hr} = \underline{\quad} \text{ min.}$$

Think: 1 hr = 60 min.

$$6 \times 60 =$$

$$360 \text{ min.}$$

Circled problems only! 😊

Complete each equivalent statement.

3. 5 hr = _____ min

4. 7 min = _____ sec

5. 2 min = _____ sec

6. 48 hr = _____ d

7. 3 d = _____ hr

8. 10 min = _____ sec

9. 240 min = _____ hr

10. 3 hr = _____ min

11. 3 min = _____ sec

12. $\frac{1}{2}$ hr = _____ min

13. A dance class lasts for 60 minutes. How many hours long is the dance class?

14. Cindy rode the bus for $\frac{1}{4}$ hour. For how many minutes did Cindy ride the bus?



Time (due wed.)

Use equivalent units of time to complete the tables.

15.

Hours	Minutes
1	$1 \times 60 = 60$
2	
3	
4	
5	
6	
7	

16.

Days	Hours
1	$1 \times 24 = 24$
2	
3	
4	
5	
6	
7	

Solve each problem.

17. Gus spent 3 hours 25 minutes at the science fair. How many minutes did Gus spend at the science fair?

18. Angie spent 2 hours at the science museum. She spent $\frac{3}{4}$ of her time at the dinosaur exhibit. For how long was Angie at the dinosaur exhibit?

19. Bryce catches the bus for school at 8:15 A.M. He spends 20 minutes eating, 10 minutes dressing, and 15 minutes cleaning up before he leaves for the bus. It takes him 5 minutes to walk to the bus. What is the latest time Bryce can get up to be on time for the bus?

Independent Practice

Key Words

gram (g)
kilogram (kg)
ounce (oz)
pound (lb)

The customary units of weight include the **pound** and the **ounce**.

Units of Weight
1 pound (lb) = 16 ounces (oz)

The metric units of mass include the **kilogram** and the **gram**.

Units of Mass
1 kilogram (kg) = 1,000 grams (g)

You can use addition, subtraction, multiplication, and division to solve problems about weight or mass. You can multiply to convert from a larger unit of weight or mass to a smaller unit of weight or mass.

Example:

$$5 \text{ lb} = \underline{\quad} \text{ oz}$$

Think: $1 \text{ lb} = 16 \text{ oz}$

$$5 \times 16 = \begin{array}{r} 80 \\ 80 \end{array}$$

80 oz

Circled problems only! 😊

Complete each equivalent statement.

3. $3 \text{ lb} = \underline{\quad} \text{ oz}$

4. $6 \text{ lb} = \underline{\quad} \text{ oz}$

5. $8 \text{ lb} = \underline{\quad} \text{ oz}$

6. $2 \text{ lb } 9 \text{ oz} = \underline{\quad} \text{ oz}$

7. $4 \text{ lb } 3 \text{ oz} = \underline{\quad} \text{ oz}$

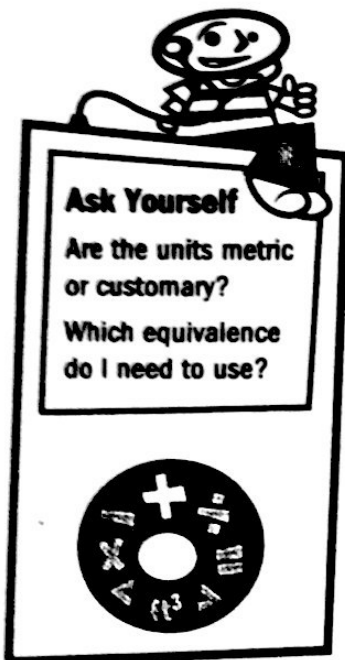
8. $4 \text{ kg} = \underline{\quad} \text{ g}$

9. $2,000 \text{ g} = \underline{\quad} \text{ kg}$

10. $9 \text{ kg} = \underline{\quad} \text{ g}$

11. Each ball in a bag of 6 balls has the same mass. The total mass of the balls is 810 grams. What is the mass of each ball?
- _____

12. Betsy's puppy weighed 14 pounds in April. By June, her puppy gained 46 ounces. How much did Betsy's puppy weigh in June? Express the answer in pounds and ounces.
- _____





Weight and mass

Use equivalent units of weight and mass to complete the tables. (due Thurs.)

13.

Pounds	Ounces
6	$16 \times 6 =$
7	
8	
9	
10	

14.

Kilograms	Grams
1	$1 \times 1000 =$
2	
3	
4	
5	

Solve each problem.

15. Devin bought a pumpkin and a squash. The pumpkin had a mass of 9 kilograms. The squash had a mass of 470 grams. How much greater was the mass of the pumpkin than the mass of the squash?

16. Ian buys 4 bags of apples. Each bag of apples weighs 3 pounds. How many ounces of apples does Ian buy?

17. Two rocks in Olivia's collection have a total mass of 2 kilograms. One of the rocks has a mass of 940 grams. What is the mass of the other rock?

18. Ron buys 2 pounds of peanuts, 5 ounces of cashews, 8 ounces of pecans, 12 ounces of almonds, and 1 pound 3 ounces of walnuts. What is the total weight of the nuts Ron buys?

Capacity (Unit Study)

Key Words

- capacity
- cup (c)
- gallon (gal)
- liquid volume
- liter (L)
- milliliter (mL)
- pint (pt)
- quart (qt)

Capacity, or liquid volume, is the amount of liquid that a container can hold. Cups, pints, quarts, and gallons are the customary units of capacity.

Customary Units of Capacity

- 1 pint (pt) = 2 cups (c)
- 1 quart (qt) = 2 pints
- 1 gallon (gal) = 4 quarts

Milliliters and liters are metric units of capacity or liquid volume.

Metric Units of Capacity

- 1 liter (L) = 1,000 milliliters (mL)

You can use addition, subtraction, multiplication, and division to solve problems about capacity. You can multiply to convert from a larger unit of capacity to a smaller unit of capacity.

Circled Problems Only! 😊
Complete each equivalent statement.

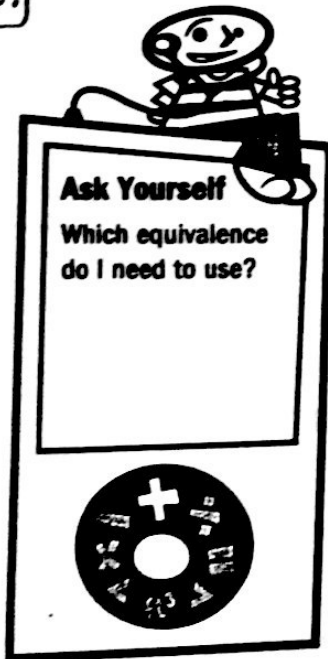
Example:

$$5 \text{ gal} = \underline{\quad} \text{ qt.}$$

Think: $1 \text{ gal} = 4 \text{ qt.}$

$$5 \times 4 =$$

$$\boxed{20 \text{ qt.}}$$



3. $4 \text{ pt} = \underline{\quad} \text{ c}$

4. $8 \text{ qt} = \underline{\quad} \text{ pt}$

5. $3 \text{ gal} = \underline{\quad} \text{ qt}$

6. $8 \text{ gal} = \underline{\quad} \text{ pt}$

7. $16 \text{ pt} = \underline{\quad} \text{ c}$

8. $24 \text{ gal} = \underline{\quad} \text{ qt}$

9. $9 \text{ pt} = \underline{\quad} \text{ c}$

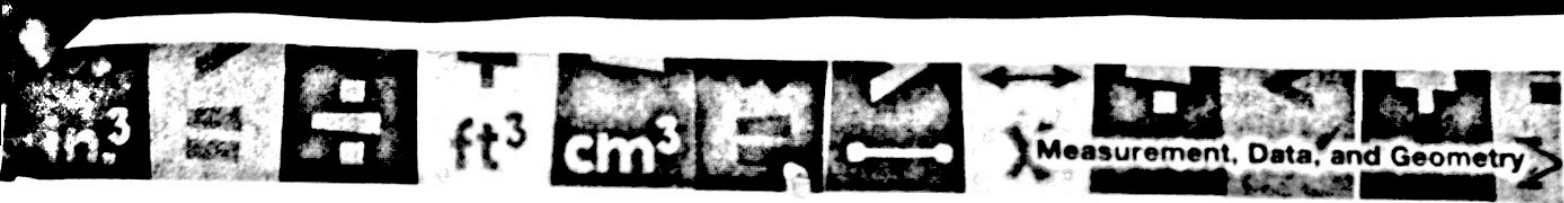
10. $6 \text{ L} = \underline{\quad} \text{ mL}$

11. $8 \text{ qt} = \underline{\quad} \text{ c}$

12. $10 \text{ L} = \underline{\quad} \text{ mL}$

13. Bridget tries to drink 2 quarts of water every day. Today she has had 3 pints of water. How much more water does Bridget need to drink to reach her goal?

14. Chloe needs 3 quarts of broth to make soup. She has a measuring cup with a capacity of 1 pint. How many times must she fill the cup to measure enough broth for her soup?



Use equivalent units of capacity to complete the tables.

Capacity (due Fri.)

15.

Gallons	Quarts
1	$1 \times 4 =$
2	
3	
4	
5	
6	
7	

16.

Quarts	Pints
1	$1 \times 2 =$
2	
3	
4	
5	
6	
7	

Solve each problem.

17. In science class, Arnold poured 97 milliliters of red-tinted water into a 1-liter jar. Then he filled the jar with blue-tinted water. How much blue-tinted water did Arnold pour into the jar?

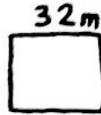
18. For a birthday party, Mrs. Kelly plans to fill each of 8 glasses with 200 milliliters of punch. The punch is sold in 1-liter bottles. How many bottles of punch does Mrs. Kelly need? Explain.

19. An aquarium holds 10 gallons of water. How many full pitchers of water will Dai use to fill the aquarium if he uses a 2-quart pitcher to fill it?

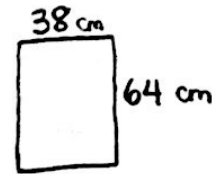
Problem Solving: (due Fri.) Area and Perimeter

Solve each problem.

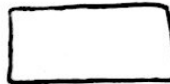
- ① A square lot has sides that are 32 meters long. What is the perimeter of the lot?



- ② A rectangular poster is 64 centimeters long and 38 centimeters wide. What is the area of the poster?



- ③ A rectangular mat is 21 inches long and 16 inches wide. What is the area of the mat?



- ④ The perimeter of a rectangular tablecloth is 26 feet. The tablecloth is 8 feet long. How wide is the tablecloth?

← Like our morning WORK problems!!

⑦ $2 \times \frac{3}{4}$

- ⑤ The perimeter of a square scarf is 100 inches. How long is each side of the scarf?

⑧ $6 \times \frac{1}{2}$

- ⑥ A rectangular garden is 8 feet long and 6 feet wide. A bag of topsoil covers 3 square feet. How many bags of topsoil are needed to cover the garden?
