

Name \_\_\_\_\_

1. For 1a–1d, choose Yes or No to tell whether the quotient has a remainder.

- 1a.  $28 \div 4$   Yes  No
- 1b.  $35 \div 2$   Yes  No
- 1c.  $40 \div 9$   Yes  No
- 1d.  $45 \div 5$   Yes  No

2. Select the lengths that identify a scalene triangle. Mark all that apply.

- A 2 inches, 4 inches, 4 inches
- B 7 feet, 7 feet, 7 feet
- C 12 meters, 5 meters, 16 meters
- D 6 feet, 3 feet, 6 feet
- E 4 meters, 2 meters, 3 meters

3. The U.S. Senate in Washington D.C. has 100 elected members. Last year, 30 senators ran for reelection. What decimal is equivalent to  $\frac{30}{100}$ ?

4. Use the rule to write the first five terms of the pattern.

Rule: Subtract 6, add 4      First term: 20

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5. For numbers 5a–5e, select Yes or No to show if the answer is correct.

5a.  $35 \times 10 = 350$   Yes  No

5b.  $19 \times 20 = 380$   Yes  No

5c.  $12 \times 100 = 120$   Yes  No

5d.  $70 \times 100 = 7,000$   Yes  No

5e.  $28 \times 30 = 2,100$   Yes  No

6. Edgar, Jack, and Katie walked around Woodbury Lake. Edgar walked  $\frac{3}{5}$  of the distance in an hour. Jack walked  $\frac{3}{4}$  of the distance in an hour. Ellen walked  $\frac{6}{8}$  of the distance in an hour. Compare the distances walked by each person by matching the statements to the correct symbol. Each symbol may be used once, more than once, or not at all.

$\frac{3}{5} \circ \frac{3}{4}$  •   $<$

$\frac{6}{8} \circ \frac{3}{4}$  •   $>$

$\frac{3}{5} \circ \frac{6}{8}$  •   $=$

7. James works in a flower shop. He will put 36 tulips in vases for a wedding. He must use the same number of tulips in each vase. The number of tulips in each vase must be greater than 1 and less than 10. How many tulips could be in each vase?

\_\_\_\_\_ tulips

8. Sandi buys some fabric to make a quilt. She needs  $\frac{1}{6}$  yard of each type of fabric. She has 7 different types of fabrics to make her design. Write the number in the box to complete the equation.

$\frac{7}{6} = \boxed{\phantom{000}} \times \frac{1}{6}$

GO ON 

Name \_\_\_\_\_

9. Tameka made this table to relate two customary units of liquid volume.

**Part A**

List the number pairs for the table. Then describe the relationship between the numbers in each pair.

_____	_____
4	1
8	2
12	3
16	4
20	5

**Part B**

Label the columns of the table. Explain your answer.

10. Draw place value models to show 1,534.

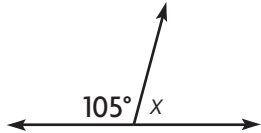
11. Royce walks  $\frac{3}{4}$  mile to school and  $\frac{3}{4}$  mile home each day.

It will take Royce \_\_\_\_\_ days to walk 3 miles.

2  
3  
4



Name \_\_\_\_\_



12. Nina drew the figure shown. For 12a–12c, select Yes or No to tell whether the statement is true.

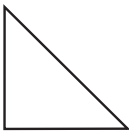
- 12a. The measure of a straight angle is  $360^\circ$ .  Yes  No
- 12b. To find the measure of  $x$ , Nina can subtract  $105^\circ$  from  $360^\circ$ .  Yes  No
- 12c. The measure of  $x$  is  $75^\circ$ .  Yes  No

13. Circle the name of the tallest peak. Explain how you know which of the mountain peaks is the tallest.

U.S. Mountain Peaks					
Name	State	Height (ft)	Name	State	Height (ft)
Blanca Peak	CO	14,345	Mount Whitney	CA	14,494
Crestone Peak	CO	14,294	University Peak	AL	14,470
Humboldt Peak	CO	14,064	White Mountain	CA	14,246

14. A farmer planted corn in a square field. One side of the field measures 32 yards. What is the area of the cornfield? Show your work.

15. Margaret drew the figure below. Draw a line of symmetry on Margaret’s figure.

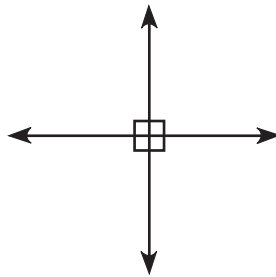


16. The table shows recent population data for Fresno, California.

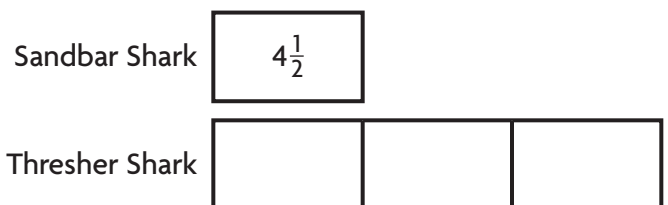
Population of Fresno, CA			
Age in years	Population	Age in years	Population
Under 5	43,911	20 to 34	119,388
5 to 9	40,087	35 to 49	89,416
10 to 14	39,634	50 to 64	72,261
15 to 19	43,867	65 and over	46,101

How many people are between the ages of 35 and 64? Show your work.

17. What term best describes the lines in the figure below?



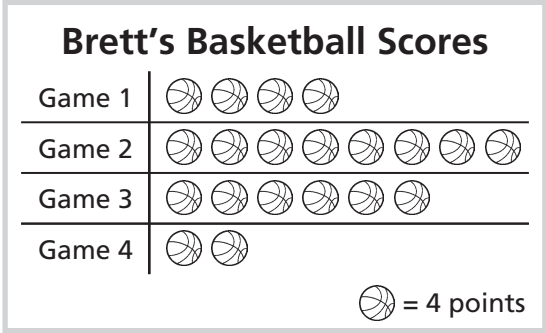
18. Rudi is comparing shark lengths. She read that a sandbar shark is  $4\frac{1}{2}$  feet long. A thresher shark is 3 times as long as a sandbar shark. Complete the model. Then find the length of a thresher shark.



A thresher shark is \_\_\_\_\_ feet long.



19. Brett made this pictograph to show the number of points he scored in each game this month.



**Part A**

How many fewer points did Brett score in Game 1 than in Game 3? Write and solve an equation.

Equation: \_\_\_\_\_

Answer: \_\_\_\_\_ fewer points

**Part B**

Choose the number that makes the sentence true.

Brett forgot to include Game 5 on his graph. He scored two times more points in Game 5 than in Game 4.

Brett scored 

4
12
16
20

 points in Game 5.

**Part C**

Explain how you determined the number of points Brett scored in Game 5.

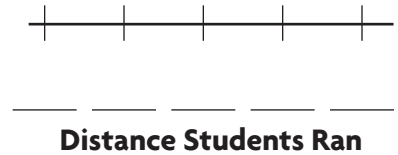


20. Fill in the numbers to find the sum.

$$\frac{4}{10} + \frac{\boxed{\phantom{00}}}{100} = \frac{8}{\boxed{\phantom{00}}}$$

21. The table shows how far students ran in gym class. Complete the line plot to show the data.

Distance Students Ran (in miles)
$\frac{2}{6}, \frac{5}{6}, \frac{4}{6}, \frac{5}{6}, \frac{2}{6}, \frac{3}{6}, \frac{3}{6}, \frac{1}{6}, \frac{2}{6}, \frac{1}{6}$



22. Frankie is practicing for a 5-kilometer race. His normal finishing time is 31 minutes 21 seconds. Yesterday it took him only 29 minutes 38 seconds to complete the race.

How much faster was Frankie yesterday than normal?

\_\_\_\_\_

23. Margie and Sam collect stamps. Margie has collected 4 times as many stamps as Sam. Together, they have 210 stamps. How many stamps does each person have? Show your work.

24. Draw a line to show the mixed number and fraction that have the same value.

$1\frac{2}{5}$	$2\frac{3}{8}$	$4\frac{1}{3}$	$1\frac{2}{3}$
•	•	•	•
•	•	•	•
$\frac{30}{3}$	$\frac{13}{3}$	$\frac{4}{3}$	$\frac{8}{5}$



**25.** Which pairs of fractions are equivalent? Mark all that apply.

**(A)**  $\frac{8}{12}$  and  $\frac{2}{3}$

**(C)**  $\frac{4}{5}$  and  $\frac{12}{16}$

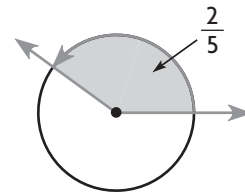
**(B)**  $\frac{3}{4}$  and  $\frac{20}{28}$

**(D)**  $\frac{7}{10}$  and  $\frac{21}{30}$

**26.** Estimate  $19 \times 43$  by rounding each number to the nearest ten.

\_\_\_\_\_

**27.** An angle represents  $\frac{2}{5}$  of a circle. Use the numbers on the tiles to complete the equation and find the measure of the angle in degrees. Numbers may be used once, more than once, or not at all.



$$\frac{2}{5} = \frac{2 \times \boxed{\phantom{000}}}{5 \times \boxed{\phantom{000}}} = \frac{\boxed{\phantom{000}}}{360}$$

72

144

178

The angle measure is \_\_\_\_\_.

**28.** Complete the table to show the fraction as a product of a whole number and a unit fraction.

Fraction	Product
$\frac{2}{5}$	_____
$\frac{7}{11}$	_____
$\frac{4}{10}$	_____

**29.** Shawnda ran  $\frac{17}{20}$  mile on Monday and  $\frac{3}{20}$  mile less than that on Tuesday. How far did Shawnda run on Tuesday?

\_\_\_\_\_ mile

