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# 4TH GRADE SPRING BREAK MATHEMATICS HOMEWORK

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Completed spring break packet is due on Monday March 16, 2020. Scholars must show all their work. Failure to show your work will result in a lower grade. Completed packets will be graded and worth one quiz grade and will be graded on accuracy. Please let me know if you have any questions.



Name \_\_\_\_\_ Date \_\_\_\_\_



## Spring Break Review Chapters 1-13

1. The number of students in each sport is shown below. Write **P** if the number of students is prime or **C** if the number of students is composite.

- a. Soccer: **23 students**
- b. Tennis: **28 students**
- c. Track & Field: **19 students**
- d. Baseball: **51 students**

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

2. Maria has 14 pens. Ana has 8 times as many pens as Maria. How many pencils does Ana have?

3. Think about the fraction  $\frac{3}{4}$ . Circle each fraction that is equivalent to  $\frac{3}{4}$ .

- |                     |                    |
|---------------------|--------------------|
| a. $\frac{6}{8}$    | d. $\frac{6}{12}$  |
| b. $\frac{12}{20}$  | e. $\frac{15}{20}$ |
| c. $\frac{60}{100}$ | f. $\frac{9}{12}$  |

4. Select True or False for each statement.

- a. 7 times as many as 6 is 42.
- b. 9 is 7 times as many as 63.
- c. 48 times as many as 6 is 8.
- d. 4 is 9 times as many as 36.

- |         |       |
|---------|-------|
| a. True | False |
| b. True | False |
| c. True | False |
| d. True | False |

3. Noah started his homework at 3:45 p.m. He spent  $\frac{1}{2}$  hour on Math, 45 minutes on Reading, and  $\frac{1}{3}$  hour on Greek Language. What time did Noah finish his homework?

4. Is the statement true? Circle Yes or No.

- a. 3 pounds = 45 ounces (1 pound = 16 ounces)
- b. 6 feet = 72 inches (1 foot = 12 inches)
- c. 3 yards = 108 inches (1 yard = 3 feet)
- d. 8 pints = 32 cups (1 pint = 2 cups)
- e. 1 gallon = 8 pints (1 gallon = 4 quarts)

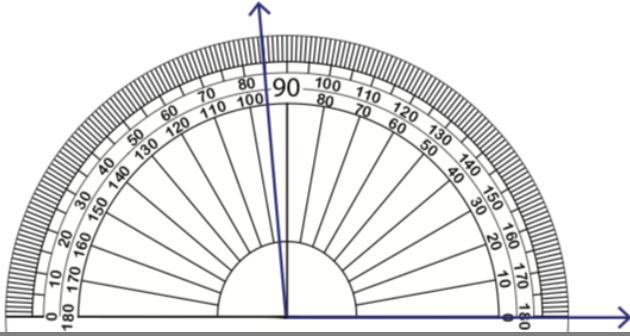
- a. YES NO
- b. YES NO
- c. YES NO
- d. YES NO
- e. YES NO

5. Which fraction makes the equation true?

$$\frac{3}{10} + \boxed{\phantom{00}} = \frac{36}{100}$$

6. Jenny earned 208,970 points on SumDog. What is her number written in <b>expanded form</b> ?	Expanded:								
7. What is 249,133 rounded to the nearest ten thousand?									
8. What is $3,186 \div 6$ ? Show your work									
9. Trisha walks $\frac{3}{4}$ mile a day. How many miles will she walk in 9 days? Show your work									
10. Find the product of 76 and 34. Show your work.									
11. Maria has a rectangular pool with a brick border that is 124 feet. If the length of the pool is 24 feet, what is the width? Show your work									
12. A figure is shown. How many lines of symmetry does the figure have? Prove your work.  Lines of Symmetry: _____									
13. The tour of Disney started at 10:45 a.m. It lasted for 1 hour and 45 minutes. What time did the tour end?									
14. Look at each angle measure. Does it represent an acute, right or obtuse angle? Write the letter in the correct box. A. $125^\circ$ D. $93^\circ$ B. $65^\circ$ E. $5^\circ$ C. $90^\circ$ F. $111^\circ$	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th data-bbox="992 1650 1192 1705">Acute</th> <th data-bbox="1192 1650 1382 1705">Obtuse</th> <th data-bbox="1382 1650 1588 1705">Right</th> </tr> </thead> <tbody> <tr> <td data-bbox="992 1705 1192 1890" style="height: 80px;"></td> <td data-bbox="1192 1705 1382 1890"></td> <td data-bbox="1382 1705 1588 1890"></td> </tr> </tbody> </table>			Acute	Obtuse	Right			
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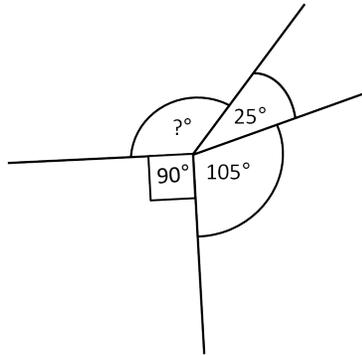
15. What is the angle measure, in degrees?



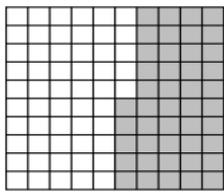
16. Draw a closed figure with 5 line segments. The figure must contain 2 right angles. Identify the right angles with the correct angle marks.

17. How many times greater is the value of the 7 in 17,485 than the value of 7 in 6,573?

18. What is the measure of the missing angle?

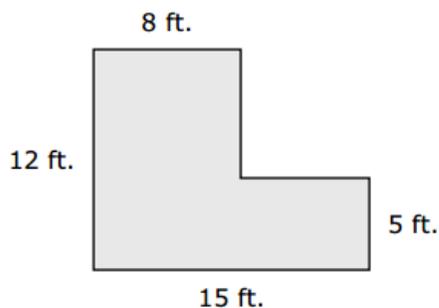


19. What number is less than the number show on the grid?



- A. 0.9
- B. 0.48
- C. 0.450
- D. 0.275

20. What is the area of the shape below?



21. Look at the area model below. What is the missing number? What is the product?

	3,000	+	700	+	80	+	6
8	24,000		?		640		48

22. A camping group bought 15 sleeping bags that cost \$42 each and a tent that cost \$160. What was the total cost of the sleeping bags and the tent?

23. José followed the two rules below to make a pattern:

- Begin with the number 1.
- Add 6 each time.

What is the sixth number in José's pattern?

24. Use the table below to answer the questions.

Butterfly	Wingspan (inches)
Monarch	$3\frac{7}{8}$
Milbert's Tortoiseshell	$2\frac{5}{8}$
Zebra Swallowtail	$2\frac{1}{2}$
Viceroy	$2\frac{6}{8}$
Postman	$3\frac{3}{8}$
Purple Spotted Swallowtail	$2\frac{2}{8}$
Julia	$3\frac{2}{4}$
Southern Dogface	$2\frac{3}{8}$
Tiger Swallowtail	$3\frac{1}{2}$
Regal Fritillary	$3\frac{4}{8}$

A. What is the difference in wingspan between the widest and narrowest butterflies on the chart?

B. Compare the wingspan of the Milbert's Tortoiseshell and the Zebra Swallowtail using  $>$ ,  $<$ , or  $=$ .

C. What is the sum of the Monarch butterfly wingspan and the Viceroy butterfly wingspan?