

1. List all the factors from least to greatest.

A. 8 _____

B. 14 _____

2. Is 9 a factor of the number? Write yes or no. A. 18 _____ B. 45 _____ C. 32 _____

3. Tell whether the number is prime or composite. A. 56 _____ B. 23 _____ C. 2,316 _____

4. Explain how you know 2,316 is composite. _____

5. Circle the numbers that are multiples of 8. 1, 2, 4, 8, 10, 12, 16, 20, 24

6. Which number is not a multiple of 9? A. 18 B. 36 C. 27 D. 3

7. Circle ALL of the composite numbers. 7, 8, 15, 17, 23, 29

8. List the first 6 multiples for 7. _____, _____, _____, _____, _____, _____

9. Are all odd numbers prime? Explain and give an example. _____

10. List the prime numbers greater than 4 and less than 18.

11. How many prime numbers are between 30 and 40?

12. John 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. How many tulips could be in each vase?

- A. 1, 2, 8 B. 2, 4, 8 C. 2, 4, 9 D. 6, 12, 16

13. Write an equation to represent the comparison statement, 56 is 8 times as many as 7.

_____ x _____ = _____ _____ = _____ x _____

14. Latoya has 8 yellow marbles. She has 6 times as many blue marbles. Write an equation that solves for the number of blue marbles using b as a variable. How many marbles does Latoya have?

15. Using the equation, $3 \times 6 = 18$, fill in the blanks for the comparison statement.

_____ times as many as _____ is _____.

16. Last week, Kadedra walked 27 miles. This is 3 times farther than Callie walked. How many miles did Callie walk last week? Write an equation using variable C.

17. Check all that apply.

$$9 \times 7 = 63$$

____ 63 is 9 times as many as 7

____ 9 is 7 times as many as 63

____ 63 is 7 times as many as 9

____ 7 is 9 times as many as 63

____ 9 is 63 times as many as 7

MGSE4.OA.5

18. Each apple pie needs 4 apples. Complete the table to find how many apples are needed for 8 pies.

Pies	2	4	6	8
Apples	8	16	24	

19. Draw the next two shapes of the pattern.



20. Using the pattern above, what would be the 19th shape in the pattern?

21. Identify and extend the pattern. Rule: _____ 43, 35, 27, 19, _____, _____

22. $48 \times 10 =$ _____

23. $9 \times 6 =$ _____

$48 \times 100 =$ _____

$9 \times 60 =$ _____

$48 \times 1,000 =$ _____


$9 \times 600 =$ _____

$9 \times 6,000 =$ _____

24. Cal uses 1,021 minutes each month on her cell phone. About how many minutes will she use in 4 months?

25. Carmelo reads 1,734 words in one month. About how many words will Carmelo read in 5 months?

Q1C3 Study Guide KEY

1. List all the factors from least to greatest. A. 8 **1, 2, 4, 8** B. 14 **1, 2, 7, 14**
2. Is 9 a factor of the number? Write yes or no. A. 18 Yes B. 45 Yes C. 32 No
3. Tell whether the number is prime or composite. A. 56 **composite** B. 23 **prime** C. 2,316 **composite**
4. Explain how you know 2,316 is composite. **It is composite because it is even, which means 2 is one of its factors. A composite number has more than 2 factors.**
5. Circle the numbers that are multiples of 8. 1, 2, 4, **8**, 10, 12, **16**, 20, **24**
6. Which number is not a multiple of 9? A. 18 B. 36 C. 27 **D. 3**
7. Circle the two composite numbers. 7, **8**, **15**, 17, 23, 29
8. List the first 6 multiples for 7. **7, 14, 21, 28, 35, 42**
9. Are all odd numbers prime? Explain and give an example. **No. For example, 9 is odd, but is composite because it has more than 2 factors.**
10. List the prime numbers greater than 4 and less than 18.
5, 7, 11, 13, 17
11. How many prime numbers are between 30 and 40? Explain. **There are 2 prime numbers: 31 and 37 because they each only have 2 factors.**
12. John 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. How many tulips could be in each vase? A. 1, 2, 8 B. 2, 4, 8 **C. 2, 4, 9** D. 6, 12, 16
13. Write an equation. 56 is 8 times as many as 7 **$8 \times 7 = 56$ $56 = 8 \times 7$**
14. Latoya has 8 yellow marbles. She has 6 times as many blue marbles. Write an equation that solves for the number of blue marbles using b as a variable. How many marbles does Latoya have? **$8 \times 6 = b$ $b = 48$**
15. $3 \times 6 = 18$. Fill in the blanks. 3 times as many as 6 is 18.
16. Last week, Kadedra walked 27 miles. This is 3 times farther than Callie walked. How many miles did Callie walk last week? Write an equation using variable C. **$27 = 3 \times C$ $C = 9$ answer: 9 miles**
17. Check all that apply. $9 \times 7 = 63$
X **63 is 9 times as many as 7**
 9 is 7 times as many as 63
X **63 is 7 times as many as 9**
 7 is 9 times as many as 63
 9 is 63 times as many as 7
18. Each apple pie needs 4 apples. Complete the table to find how many apples are needed for 8 pies.
- | | | | | |
|--------|---|----|----|------------------|
| Pies | 2 | 4 | 6 | 8 |
| Apples | 8 | 16 | 24 | <u>32</u> |
19. Draw the next two shapes of the pattern. 
20. Using the pattern above, what would be the 19th shape in the pattern? **star**
21. Identify and extend the pattern. Rule: **Subtract 8** 43, 35, 27, 19, **11, 3**
22. $48 \times 10 =$ **480**
 $48 \times 100 =$ **4,800**
 $48 \times 1,000 =$ **48,000**
23. $9 \times 6 =$ **54**
 $9 \times 60 =$ **540**
 $9 \times 600 =$ **5,400**
 $9 \times 6,000 =$ **54,000**
24. Cal uses 1,021 minutes each month on her cell phone. About how many minutes will she use in 4 months? **$1,000 \times 4 = 4,000$ minutes**
25. Carmelo reads 1,734 words in one month. About how many words will Carmelo read in 5 months? **$2,000 \times 5 = 10,000$ words**