

Name _____

Date _____

1. There are 5 cookies with 5 chocolate chips on each cookie. Which expression shows how many chocolate chips are there in all?



A. 5×5

C. 5×7

B. 5×6

D. 5×8

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2. Becky decorated 7 gift boxes with 6 small bows on each box. Which sentence could Becky use to describe how many bows she used for the gift boxes?

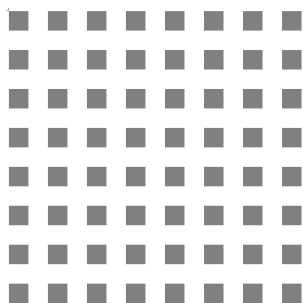
- A. Becky used 6 bows because $1 + 7 = 6$.
- B. Becky used 7 bows because 7 groups with 1 bow in each group equals 7.
- C. Becky used 13 bows because $6 + 7 = 13$.
- D. Becky used 42 bows because 7 groups with 6 in each group equals 42.

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3. There are 21 students on the playground. The teacher puts the students into 3 equal groups. How many students are in each group?

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4. Lily had 18 pencils. She wants to put 3 pencils in each group. How many groups of pencils will she have?

- A. She will have 21 groups of pencils because 18 plus 3 equals 21.
- B. She will have 15 groups of pencils because 18 minus 3 equals 15.
- C. She will have 6 groups of pencils because 18 divided by 3 equals 6.
- D. She will have 3 groups of pencils because 18 divided by 3 equals 3.

5. Brian has 64 baseball cards and wants to put his cards in 8 equal groups. How many cards will be in each group?



A. 64

C. 8

B. 56

D. 7

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6. There are 20 toy cars. Marge wants to divide the cars equally and give each of her sons 4 cars. Choose the equation that shows how many sons Marge has.

A. $20 \div 5 = s$

C. $20 \div 2 = s$

B. $20 \div 4 = s$

D. $20 \div 1 = s$

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7. There were 8 floats in a parade. Each float had 7 riders. How many riders were in the parade?

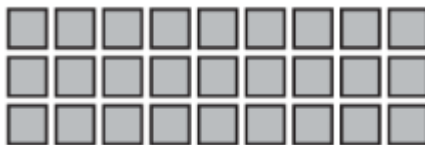
A. 15

C. 49

B. 46

D. 56

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8. Rani bought 3 shirts for \$9 each. Use the array to tell which equation can be used to find the total cost of the shirts, c ?



A. $3 + 9 = c$

C. $3 \times 9 = c$

B. $9 - 3 = c$

D. $9 \div 3 = c$

9. Find the unknown factor.

$$5 \times p = 25$$

A. 4

B. 5

C. 6

D. 7

10. What is the value of s ?

$$s \div 6 = 6$$

11. Rayneesha solved this equation in class and did not come up with the correct product. Find and describe her error.

$$6 \times 7 = (4 \times 7) + (3 \times 7)$$

$$6 \times 7 = 28 + 21$$

$$6 \times 7 = 49$$

- A. Rayneesha multiplied 4×7 incorrectly.
 - B. Rayneesha should have also broken apart the factor 7.
 - C. Rayneesha multiplied 3×7 incorrectly.
 - D. Rayneesha broke apart the factor 6 as the addends 4 and 3.
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12. Look at the expression below.

$$(4 \times 2) \times 6$$

Which statement about the value of the problem is true?

- A. It is the same as the value of $4 \times (6 + 2)$, which is 32.
- B. It is the same as the value of $6 \times (2 \times 4)$, which is 48.
- C. It is the same as the value of $2 \times (6 + 4)$, which is 20.
- D. It is the same as the value of $6 \times (2 \times 4)$, which is 24.

13. An equation is shown below.

$$3 \times 7 = 7 \times \square$$

What is the missing value for the equation?

- A. 3 B. 6 C. 7 D. 14
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14. Find the quotient.

$$8 \div 1 = \underline{\quad}$$

- A. 0 B. 2 C. 4 D. 8
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15. Find the quotient.

$$0 \div 2 = \underline{\quad}$$

- A. 0 B. 2 C. 4 D. 8
-

16. Which equation could be used to solve $24 \div 3 = n$?

- A. $3 \times n = 24$ B. $n \div 3 = 24$ C. $24 - 3 = n$ D. $n + 3 = 24$
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17. Which equation can be used to solve $63 \div 7 = y$?

- A. $7 \times y = 63$ B. $7 \times 63 = y$ C. $y \times 7 = 9$ D. $9 \times 63 = y$
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18. Which multiplication expressions will have a product of 16? Select the three that apply.

- A. 4×4 B. 2×8 C. 2×7 D. 8×2 E. 9×2
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19. Select the three expressions that have a value of 9.

- A. $18 \div 2$ B. $27 \div 9$ C. $27 \div 3$ D. $36 \div 6$ E. $81 \div 9$

20. Andrew wants 36 baseball cards. He buys 4 packages of 7 baseball cards. How many cards will he still need to buy?

- A. 8 baseball cards
B. 12 baseball cards
C. 29 baseball cards
D. 32 baseball cards
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21. Duncan has 6 comic books on each of 4 shelves. His uncle gives him 5 comic books for his birthday. How many comic books does he have now?

- A. 15 comic books
B. 19 comic books
C. 21 comic books
D. 29 comic books
-

22. Regina has collected 125 sea shells. She gives her little brother, Chris, 53 sea shells. Regina wants to put her remaining sea shells in little boxes. There will be 9 sea shells in each box. How many boxes will she need?

- A. 9
B. 8
C. 7
D. 6
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23. Yesterday the farmer picked 24 apples. Today, she picked 36 more apples. She puts 10 apples in each basket. How many baskets did the farmer fill?

- A. 5
B. 6
C. 60
D. 70
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24. Which pattern is shown in the table?

Seats on the Bus	1	2	3	4	5
Students	3	6	9	12	15

- A. The number of students increases by 4.
B. The number of students increases by 3.
C. The number of students increases by 1.
D. The number of students does not increase.

25. Use the multiplication table to describe the pattern of the shaded products.

X	0	1	2	3	4	5
0	0	0	0	0	0	0
1	0	1	2	3	4	5
2	0	2	4	6	8	10
3	0	3	6	9	12	15
4	0	4	8	12	16	20
5	0	5	10	15	20	25

- A. The products are all odd numbers.
- B. The products have the same factors, but the factors are in a different order.
- C. The products are all even numbers.
- D. The products have different factors in the same order.

26. Choose the statement that is NOT true when multiplying factors.

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

- A. An odd factor multiplied by an odd factor equals an odd product.
- B. An even factor multiplied by an even factor equals an even product.
- C. An odd factor multiplied by an even factor equals an even product.
- D. An even factor multiplied by an odd factor equals an odd product.

27. Describe the pattern in the table.

Pails	Shells
3	21
4	28
5	35
6	42
7	49

- A. Add 3 **pails** for each shell; multiply the number of **shells** by 3.
- B. Add 7 **pails** for each shell; multiply the number of **shells** by 7.
- C. Add 3 **shells** for each pail; multiply the number of **pails** by 3.
- D. Add 7 **shells** for each pail; multiply the number of **pails** by 7.