

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

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 organized her 6 bows by adding $1 + 7$.

B. Becky organized her 7 bows in 7 groups with 1 bow in each group.

C. Becky organized her 13 bows by adding $6 + 7$.

D. Becky organized her 42 bows in 7 groups with 6 in each group.

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

4. Mrs. Ayer has 30 students in her class. She is dividing the students into groups of 5. How many groups will Mrs. Ayer have?

A. 5

B. 6

C. 25

D. 35

5. Victor wants to arrange his 32 leaves in a notebook. He will put 4 leaves on each page. How many pages will Victor need for his leaves?

A. 6 pages

B. 8 pages

C. 28 pages

D. 36 pages

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

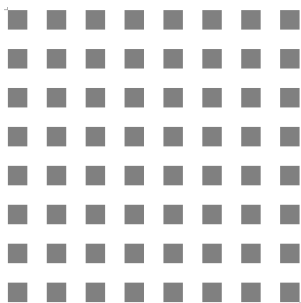
A. She will have 21 groups of pencils because 18 plus 3 equals 21.

B. She will have 15 groups of pencils because $18 \text{ minus } 3 \text{ equals } 15$.

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.

7. Brian has 64 baseball cards and wants to put his cards in 8 equal groups. How many groups of cards will he have?



A. 64

C. 8

B. 56

D. 7

8. 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. $20 \div 1 = s$

9. The third-grade classes are taking their students on a field trip. Mrs. Rodriguez has 22 students and Mrs. Pruna has 18 students. They want to combine their classes and put the students in groups of 10. How many groups of students will be on the field trip?
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10. Sarah and her sister share a miniature doll collection. Sarah has 17 dolls and her sister has 19 dolls. They store their doll collection on a bookshelf and place the same number of dolls on each shelf. The bookshelf has 6 shelves. How many miniature dolls are on each shelf?

A. 6 B. 8 C. 12 D. 42

11. Find the unknown factor.

$$5 \times p = 25$$

A. 4 B. 5 C. 6 D. 7

12. What is the value of s ?

$$s \div 6 = 6$$

13. 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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14. 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.
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15. 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

16. Find the quotient.

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

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

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

- A. 0 B. 2 C. 4 D. 8
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18. 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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19. 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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20. 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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21. 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. $81 \div 9$

26. 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.
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27. 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	18
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.

28. 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.
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29. 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.