Contents

1 Multiplication Facts to 9

EXAMPLES

1. 5 groups of 2 = 5 twos = 5 times 2 = 5 × 2 = 2 + 2 + 2 + 2 + 2 = 10
2. 2 groups of 5 = 2 fives = 2 times 5 = 2 × 5 = 5 + 5 = 10

HINTS:

- Multiplication is a short way to add groups of the same size.
- "x" means "MULTIPLY".
- Multiplication facts can be written in 2 different ways.

  e.g. $\underbrace{2 \times 5}_{\text{factors}} = \underbrace{10}_{\text{product}}$ *or* $\begin{array}{r} 5 \\ \text{x}\ \ 2 \\ \hline 10 \end{array}$

- Changing the order of the numbers in a multiplication does not affect the product.

  e.g. 2 × 5 = 5 × 2 = 10

Multiply.

① $\begin{array}{r} 4 \\ \text{x}\ \ 3 \\ \hline \end{array}$

② $\begin{array}{r} 5 \\ \text{x}\ \ 6 \\ \hline \end{array}$

③ $\begin{array}{r} 9 \\ \text{x}\ \ 7 \\ \hline \end{array}$

④ $\begin{array}{r} 3 \\ \text{x}\ \ 8 \\ \hline \end{array}$

⑤ $\begin{array}{r} 2 \\ \text{x}\ \ 6 \\ \hline \end{array}$

⑥ $\begin{array}{r} 7 \\ \text{x}\ \ 4 \\ \hline \end{array}$

⑦ $\begin{array}{r} 0 \\ \text{x}\ \ 4 \\ \hline \end{array}$

⑧ $\begin{array}{r} 1 \\ \text{x}\ \ 5 \\ \hline \end{array}$

⑨ $\begin{array}{r} 6 \\ \text{x}\ \ 6 \\ \hline \end{array}$

⑩ $\begin{array}{r} 7 \\ \text{x}\ \ 7 \\ \hline \end{array}$

⑪ $\begin{array}{r} 6 \\ \text{x}\ \ 3 \\ \hline \end{array}$

⑫ $\begin{array}{r} 7 \\ \text{x}\ \ 2 \\ \hline \end{array}$

⑬ $\begin{array}{r} 8 \\ \text{x}\ \ 5 \\ \hline \end{array}$

⑭ $\begin{array}{r} 3 \\ \text{x}\ \ 9 \\ \hline \end{array}$

⑮ $\begin{array}{r} 5 \\ \text{x}\ \ 9 \\ \hline \end{array}$

⑯ $\begin{array}{r} 7 \\ \text{x}\ \ 0 \\ \hline \end{array}$

⑰ $\begin{array}{r} 4 \\ \text{x}\ \ 8 \\ \hline \end{array}$

⑱ $\begin{array}{r} 9 \\ \text{x}\ \ 9 \\ \hline \end{array}$

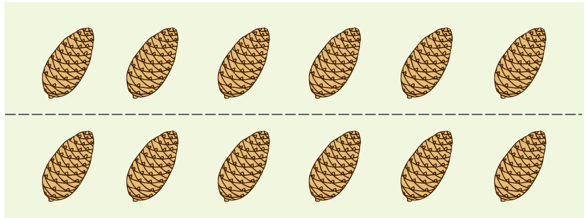
Write 2 multiplication sentences for each picture.

⑲

9 x 3 = ________

3 x 9 = ________

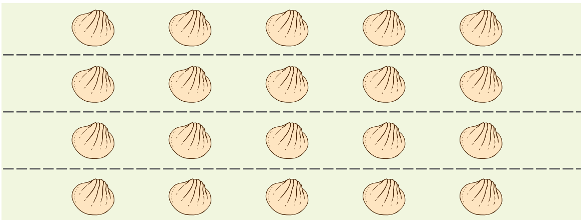
⑳



________ x ________ = ________

________ x ________ = ________

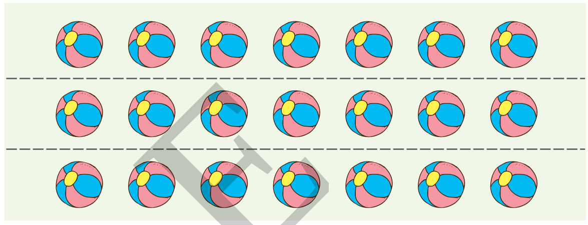
㉑



________ x ________ = ________

________ x ________ = ________

㉒



________ x ________ = ________

________ x ________ = ________

Complete the following multiplication sentences.

㉓ 7 x 9 = ________

㉔ 5 x 2 = ________

㉕ 1 x 3 = ________

㉖ 6 x 0 = ________

㉗ 8 x 4 = ________

㉘ 5 x 7 = ________

㉙ 2 x 4 = ________

㉚ 6 x 6 = ________

㉛ 6 x 8 = ________

㉜ 3 x 7 = ________

㉝ 4 x 5 = ________

㉞ 9 x 2 = ________

㉟ 0 x 3 x 6 = ________

㊱ 8 x 1 x 6 = ________

㊲ 1 x 7 x 8 = ________

㊳ 5 x 4 x 0 = ________

㊴ 4 x 7 = 7 x ______

= ________

㊵ 5 x ______ = ______ x 5

= 40

㊶ 3 x 3 = ______ x 9

= ________

㊷ 8 x ______ = 0 x 4

= ________

In each group, put a ✗ in the ◯ beside the number sentence that is different.

㊸	A. 7 x 6	◯
	B. 7 + 6	◯
	C. 6 sevens	◯
	D. 7 groups of 6	◯

㊹	A. 5 threes	◯
	B. 3 x 5	◯
	C. 5 + 5 + 5 + 5 + 5	◯
	D. 3 times 5	◯

㊺	A. 4 + 4 + 4 + 4	◯
	B. 4 ones	◯
	C. 1 x 4	◯
	D. 1 group of 4	◯

㊻	A. 5 times 6	◯
	B. 5 + 5 + 5 + 5 + 5	◯
	C. 6 groups of 5	◯
	D. 6 x 5	◯

Fill in the missing numbers.

㊼	10	15	___	___	___	35	___	___
㊽	9	___	27	___	___	54	___	___
㊾	___	___	28	35	___	___	56	___

Circle the correct numbers in each group to make the statements true.

㊿ When a number is multiplied by each of the circled numbers, the products are always even numbers.

0 1 2 3 4 5 6 7 8 9

51 When a number is multiplied by 5, one of the circled numbers will be at the ones place of the product.

0 1 2 3 4 5 6 7 8 9

52 When a number is multiplied by the circled number, the product is always zero.

0 1 2 3 4 5 6 7 8 9

Solve the problems. Show your work.

53. A dragonfly has 4 wings. How many wings do 7 dragonflies have?

    7 dragonflies have ________ wings.

54. May plants 8 rows of tulips in the garden. There are 9 tulips in a row. How many tulips does May plant?

    May plants ________ tulips.

55. There are 3 hands on a clock. How many hands are there on 6 clocks?

    There are ________ hands on 6 clocks.

56. The teacher has 7 boxes of crayons. Each box contains 8 crayons. How many crayons does the teacher have?

    The teacher has ________ crayons.

57. A bag of cookies contains 4 different shapes. There are 6 cookies for each shape. How many cookies are there in the bag?

    There are ________ cookies in the bag.

Complete the puzzles.

Put 1, 2, 3, 4, or 5 in each of the five boxes in each diagram so that adding the numbers either vertically or horizontally will give the sum indicated for each diagram.

① sum = 8

② sum = 9

③ sum = 10