



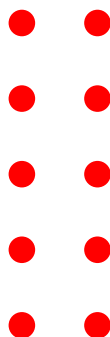
Grade 3

Chapter 01

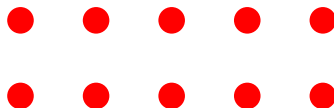
Understand Multiplication and Division

Multiply in Any Order

1. Complete the statements.



_____ ROWS _____
_____ $\times$ _____ = _____



_____ ROWS _____
_____ $\times$ _____ = _____ So, _____ $\times$ _____ = _____ $\times$ _____

2. Draw an array to show the Commutative Property of Multiplication. Complete the statements.



_____ $\times$ _____ = _____

_____ $\times$ _____ = _____

So, _____ $\times$ _____ = _____ $\times$ _____

3. Complete the equation.

$$8 \times 3 = 3 \times \underline{\hspace{1cm}}$$

4. Which shape completes the equation?

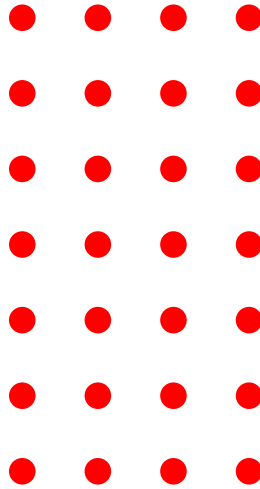
$$\text{☾} \times \text{☁} = \text{★}$$

$$\text{☁} \times ? = \text{★}$$

5. Your friend makes 9 rows of 4 award ribbons. You want to put the same number of award ribbons into 4 rows. How many award ribbons do you put in each row? Explain.

Homework and Practice

1. Draw an array to show the Commutative Property of Multiplication. Complete the statements.



$$\text{----} \times \text{----} = \text{----}$$

$$\text{----} \times \text{----} = \text{----}$$

$$\text{So, } \text{----} \times \text{----} = \text{----} \times \text{----}$$

2. Write two equations that show the Commutative Property of Multiplication.

$$\text{----} \times \text{----} = \text{----} \times \text{----}$$

$$\text{----} \times \text{----} = \text{----} \times \text{----}$$

3. You have 6 rows of 4 pennies. Your friend has 2 rows of 6 pennies. How many rows does your friend need to add so that you both have the same number of pennies?

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