What Is Multiplication?

Name: _____ Date: _____ Class: _____

Part A - Count the Groups

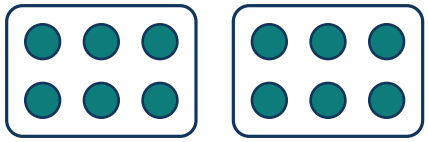
Look at the plates. Fill in the groups, then write the multiplication.

1. 

____ groups of ____ makes ____ × ____ = ____ in all.

2. 

____ groups of ____ makes ____ × ____ = ____ in all.

3. 

____ groups of ____ makes ____ × ____ = ____ in all.

Part B - Adding Again and Again

Each adding sentence is the same number again and again. Write it as a multiplication.

1. 4 + 4 + 4 = ___ × ___ = ___

2. 5 + 5 = ___ × ___ = ___

3. 3 + 3 + 3 + 3 + 3 = ___ × ___ = ___

4. 6 + 6 + 6 = ___ × ___ = ___

5. 2 + 2 + 2 + 2 = ___ × ___ = ___

6. 7 + 7 + 7 = ___ × ___ = ___

7. 4 + 4 + 4 + 4 = ___ × ___ = ___

8. 5 + 5 + 5 = ___ × ___ = ___

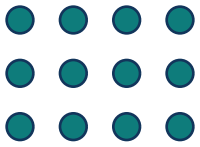
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Part C - Arrays

Count the rows and the dots in each row. Write the multiplication.

1.



____ rows of ____

____ × ____ = ____ in all

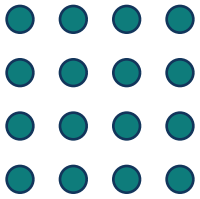
2.



____ rows of ____

____ × ____ = ____ in all

3.



____ rows of ____

____ × ____ = ____ in all

4.



____ rows of ____

____ × ____ = ____ in all

Part D - Word Problems

Solve each problem. Use groups or an array to show your thinking.

1. There are 5 boxes. Every box holds 6 crayons.
How many crayons are there in all?

_____

_____

Answer: _____

2. A gardener plants 4 rows of seeds. There are 7 seeds in each row.
How many seeds does the gardener plant?

_____

_____

Answer: _____

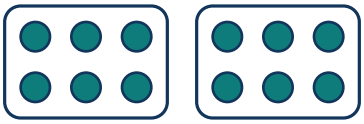
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Answer Key - What Is Multiplication?

Part A - Count the Groups

1.  3 groups of 4 = 3 × 4 = 12

2.  4 groups of 2 = 4 × 2 = 8

3.  2 groups of 6 = 2 × 6 = 12

Part B - Adding Again and Again

1. 4 + 4 + 4 = 3 × 4 = 12

2. 5 + 5 = 2 × 5 = 10

3. 3 + 3 + 3 + 3 + 3 = 5 × 3 = 15

4. 6 + 6 + 6 = 3 × 6 = 18

5. 2 + 2 + 2 + 2 = 4 × 2 = 8

6. 7 + 7 + 7 = 3 × 7 = 21

7. 4 + 4 + 4 + 4 = 4 × 4 = 16

8. 5 + 5 + 5 = 3 × 5 = 15

Part C - Arrays

1. 3 rows of 4 = 3 × 4 = 12

2. 5 rows of 2 = 5 × 2 = 10

3. 4 rows of 4 = 4 × 4 = 16

4. 2 rows of 7 = 2 × 7 = 14

Part D - Word Problems

1. 5 boxes of 6 crayons: 5 × 6 = 30 crayons in all.
2. 4 rows of 7 seeds: 4 × 7 = 28 seeds planted.

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