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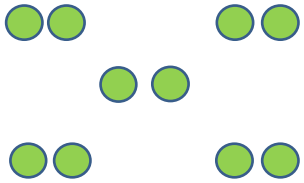
3.OA.A.1 Relating Addition and Multiplication

3.OA.A.1: Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each.

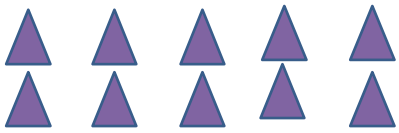
Equal Groups	Think:	Addition Sentence	Multiplication Sentence
	5 groups of 2	$2 + 2 + 2 + 2 + 2 = 10$	$2 \times 5 = 10$

Use counters to model. Then write an addition and multiplication sentence for each.

1. **3 groups of 4**
Addition Sentence: _____
Multiplication Sentence: _____

2. **5 groups of 4**
Addition Sentence: _____
Multiplication Sentence: _____

Write a multiplication sentence for each.

 _____	 _____	 _____
$3 + 3 + 3 = 9$ _____	$4 + 4 + 4 + 4 = 16$ _____	$5 + 5 + 5 + 5 = 20$ _____

What is another way to show **6 + 6 + 6** ? _____

a. 6×3 b. 6×5 c. 4×6 d. 6×2

What is another way to show **5 + 5 + 5 + 5 + 5** ? _____

a. 5×3 b. 5×5 c. 5×6 d. 5×2

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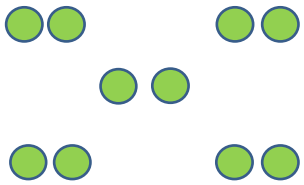
Answer Key

3.OA.A.1: Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each.

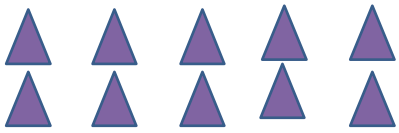
Equal Groups	Think:	Addition Sentence	Multiplication Sentence
	5 groups of 2	2 + 2 + 2 + 2 + 2 = 10	2 × 5 = 10

Use counters to model. Then write an addition and multiplication sentence for each.

1. **3 groups of 4**
Addition Sentence: 4 + 4 + 4 = 12
Multiplication Sentence: 4 × 3 = 12

2. **5 groups of 4**
Addition Sentence: 4 + 4 + 4 + 4 + 4 = 20
Multiplication Sentence: 4 × 5 = 20

Write a multiplication sentence for each.

		
2 × 5 = 10	6 × 2 = 12	5 × 2 = 10
3 + 3 + 3 = 9	4 + 4 + 4 + 4 = 16	5 + 5 + 5 + 5 = 20
3 × 3 = 9	4 × 4 = 16	5 × 4 = 20

What is another way to show **6 + 6 + 6** ? a.

a. 6 × 3 b. 6 × 5 c. 4 × 6 d. 6 × 2

What is another way to show **5 + 5 + 5 + 5 + 5** ? b.

a. 5 × 3 b. 5 × 5 c. 5 × 6 d. 5 × 2