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Math 3

1-1 Multiplication as "Equal Groups of"

Name:		Date:	

Common Core Standards	 Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each. *For example, describe a context in which a total number of objects can be expressed as 5 × 7.* Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

1-1 Multiplication as "Equal Groups of"

Equal Groups Strategy

Identify:

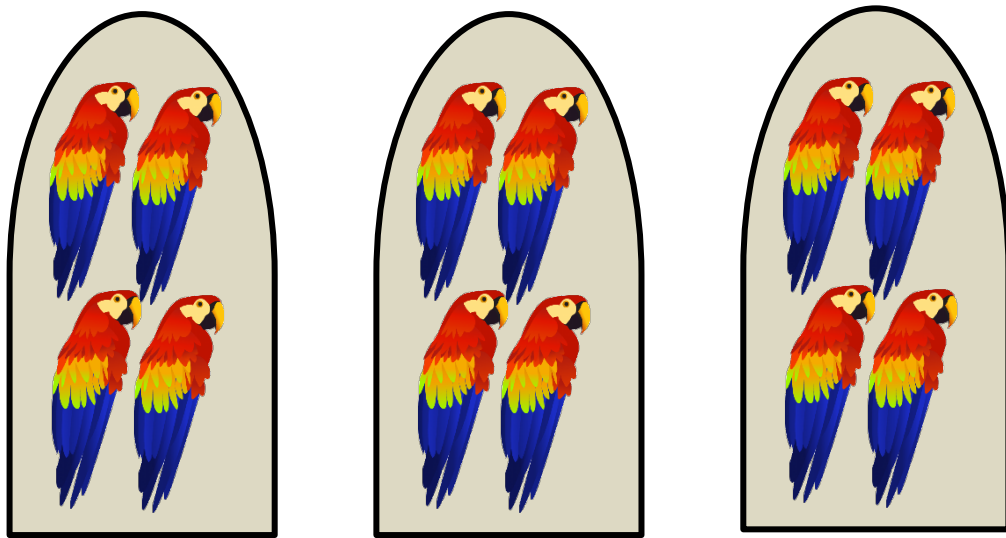How many groups are needed to make

and

How many items are in each group

8 x 4

Answer: There are 8 groups with 4 items in each group.

Equal Groups Strategy

Situation:
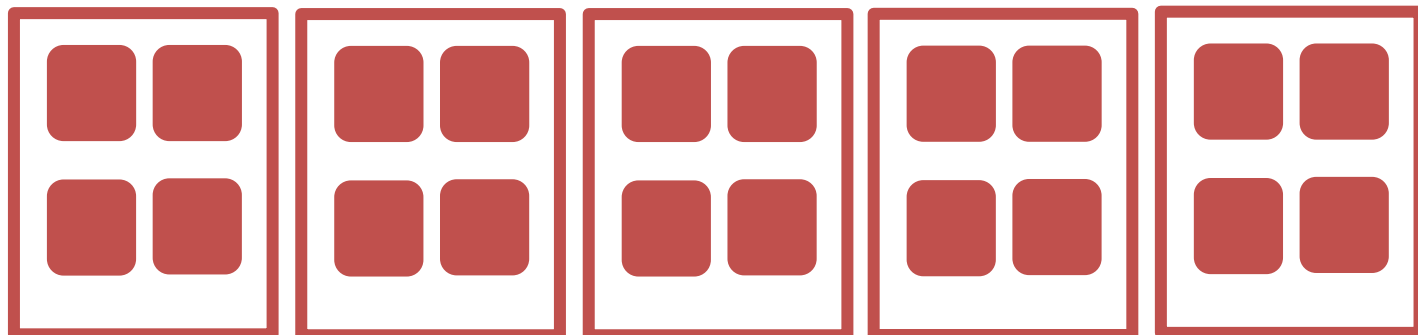
Luis has 3 cages. There are 4 parrots in each cage.

Write the expression to represent the drawing above:

_ X _

How many parrots are there?

5x4=

4x5=

1. What is the product for 4x5?
2. What is the product for 5x4?
3. Do they have the same product?
4. How many groups did you draw for 4x5?
5. How many groups did you draw for 5x4?

Part B: Fill in the groups with the correct number of items specified by the expression.

Determine the product.

1. 5 x 7

Product:

2. 6 x 8

Product:

3. 2 x 2

Product:

4. 3 x 6

Product:

Part C: Task Cards

Match the pink card to the blue card with the correct expression to its corresponding equal groups statement.

1.

9×7

a.

6 equal groups of 9

2.

7×8

b.

9 equal groups of 4

3.

8×2

c.

7 equal groups of 8

4.

6×9

d.

4 equal groups of 4

5.

4×4

e.

8 equal groups of 2

6.

9 x 4

f.

9 equal groups of 7

ANSWER KEY

Situation 1   **3 x 4 = 12 parrots**

Part A: **1. 20**
             2. 20
             3. Yes
             4. 4 groups
             5. 5 groups

4x5=

Part B:

In each group:

1. Product: 35
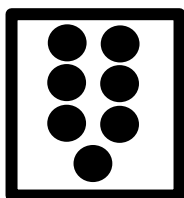
2. Product: 48
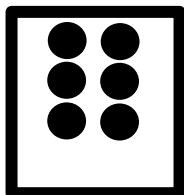
3. Product: 4
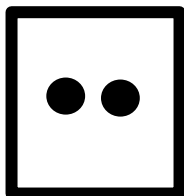
4. Product: 18
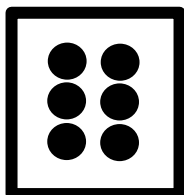
Part C:

Task Cards

1.	**f.**
2.	**c.**
3.	**e.**
4.	**a.**
5.	**d.**
6.	**b.**