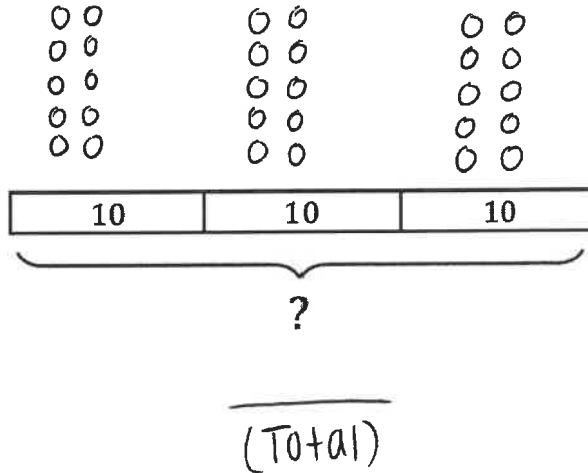|	Score
Grade 3 Unit 1 Section BC Assessment	
Cluster 1: Represent and solve problems involving multiplication and division	
Reporting Domain: Operations and Algebraic Thinking	

NAME: _____

DATE: _____

Introducing Multiplication

1. There are 3 soccer teams on the field. Each team has 10 players. How many soccer players are on the field altogether?

   A. 7

   B. 13

   C. 20

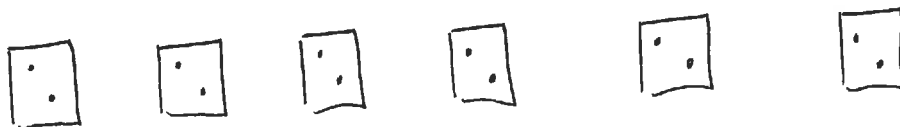   D. 30

10	10	10

   ?

   (Total)

2. Write a multiplication expression that could represent the total number of dots in each drawing.

   a.

   _____ X _____ = _____
   (groups) (in each) (total)

   b.

   _____ X _____ = _____
   (rows) (columns) (total)

3. Ryan made 6 sandwiches. He used 2 slices of bread for each sandwich. How many pieces of bread did he use?

Write an equation to match this situation and solve.

_____ X _____ = _____

4. Elena has 5 bags. Each bag has 8 rubber bands.

How many rubber bands does Elena have? Explain your work using drawings, numbers or words.

_____ X _____ = _____
(groups) (#in each) (total)
group

* Draw a picture

5. There are 3 rows. Each row has 6 crayons. How many crayons are there?

   a. Represent the situation with an array.
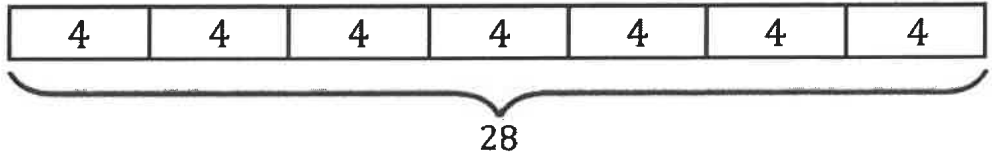
   b. Represent the situation with an equation and solve.

$$\underline{} \times \underline{} = \underline{}$$

6. Represent the diagram below with an equation and solve.

?	?	?	?

20

$$\underline{} \times \underline{} = \underline{}$$
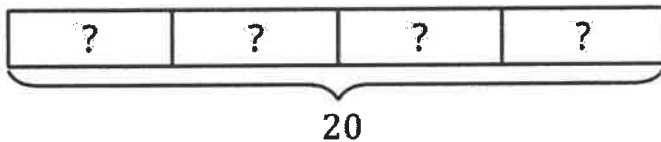
(groups)   (#in each group)   (total)

7. Jessica has 4 boxes of marbles. Each box has 7 marbles in it. She drew this tape diagram to represent her marbles. Does this diagram match the situation? Show or explain your reasoning.

4	4	4	4	4	4	4

28

Yes / No because it has ____ groups with ____ in each group and a total of ____.

8. Kiran wants to use arrays to solve 4 x 6 = ? x 3.

a. Explain how he could use arrays to solve the problem.

Draw an array for 4x6 | ____ x 3 array | If my total is ____ I can draw ____ rows with ____ in each column for a new total of ____.

b. Solve for the value of the ?.

? x 3

↓

____ x 3