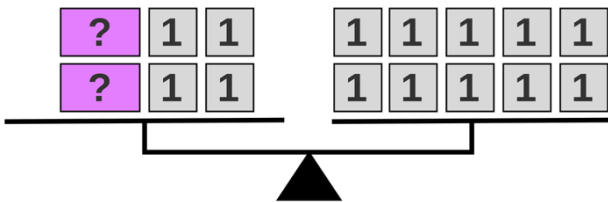


1. Fill in the missing numbers in the patterns below.

1	5
2	
3	15
4	
5	
6	30

1	21
2	18
3	
4	12
5	
6	

2. What number could be used to replace the question marks on the balance scale?
Write an equation to represent the picture.





3. Fill in the missing numbers in the equations.

a) $14 - \square = 7$

b) $\square \times 5 = 25$

c) $36 = 9 + \square$

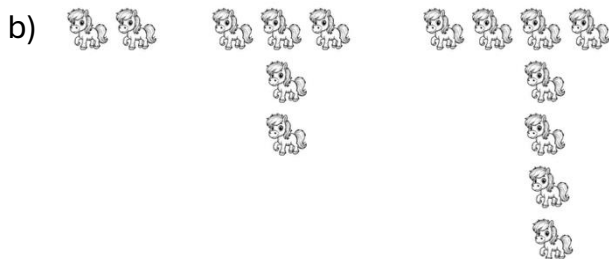
4. Eli is collecting eggs from his chickens. He collects 12 eggs to fill an egg carton. The first chicken has 4 eggs, the second chicken has 3 eggs and the third chicken has 1 egg. How many eggs must the fourth chicken have to fill the carton? Write an equation to represent the problem.

5. Darian wants to sort her beads into groups of 10. If she has 120 beads, how many boxes will she need to hold all the groups? Write an equation to represent the problem.

6. a) Create an increasing pattern. Describe the pattern rule.

b) Create a decreasing pattern. Describe the pattern rule.

7. Describe the patterns below. Draw step 4.



8. Create a pattern where the 3rd term has 9 objects.
Create a different pattern where the 3rd term is still 9.
Describe your patterns.

9. Use a T-chart to predict the 10th term in the patterns above.

10. Create a fact family that includes the number 12.