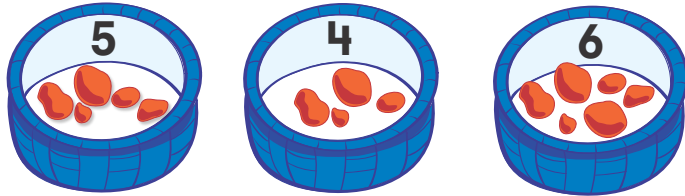


Vince collects red rocks. He separates them into 3 baskets. How many red rocks does he have in all?

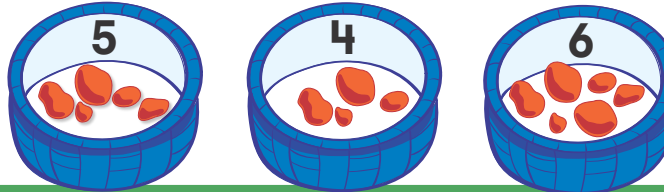


I can add 5 + 4 first and then add 6.

$5 + 4 = 9$   
 $9 + 6 = 15$

I can add 4 + 6 first to make 10 and then add 5.

$4 + 6 = 10$   
 $10 + 5 = 15$



I can group the numbers either way. The sum is the same.

$5 + 4 + 6 = 15$   
 $5 + 4 + 6 = 15$

Vince has 15 red rocks.

**Convince Me!** How can grouping numbers in a different way help you to solve a problem?

☆ **Guided Practice** ☆ Write an equation to solve each problem. Choose a way to group the addends.

1. Tess finds some shells at the beach. She finds 7 pink shells, 3 black shells, and 4 white shells. How many shells does Tess find in all?

$7 + 3 + 4 = 14$  14 shells

2. Tom sees some birds. He sees 4 red birds, 2 blue birds, and 6 black birds. How many birds does Tom see in all?

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ birds

## Independent Practice

Write an equation to solve each problem.  
Choose a way to group the addends.

3. Pat has sports cards. He has 8 baseball cards, 2 football cards, and 3 basketball cards.

How many cards does Pat have in all?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ cards

4. Bob plants seeds. He plants 2 brown seeds, 6 white seeds, and 8 black seeds. How many seeds does Bob plant in all?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

\_\_\_\_\_ seeds

Write the missing numbers for each problem.

5. **Algebra**  $16 = 7 + \underline{\quad} + 6$

6. **Algebra**  $11 = 2 + 2 + \underline{\quad}$

7. **Vocabulary** Julio finds 3 ladybugs and some ants. Then he finds 5 beetles. Julio finds 14 bugs in all. How many ants did Julio find?

Write the missing **addend**.

$$14 = 3 + \underline{\quad} + 5$$

Julio found \_\_\_\_\_ ants.

8. **Higher Order Thinking** Rosa picks 12 flowers from her garden. She picks some purple flowers. Then she picks 4 pink flowers and 3 yellow flowers. How many purple flowers did Rosa pick?

$$12 = ? + 4 + 3$$

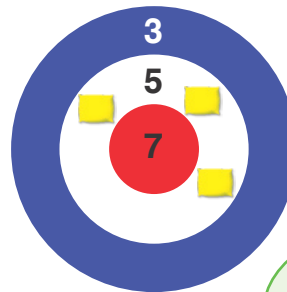
Rosa picked \_\_\_\_\_ purple flowers.

**Problem Solving** Solve each problem below.

9. **Generalize** Dan throws 3 beanbags at the target. The numbers on the target show the score for each beanbag.

Write an addition equation to find Dan's score.

\_\_\_\_ + \_\_\_\_ + \_\_\_\_ = \_\_\_\_



Does something repeat in the problem?



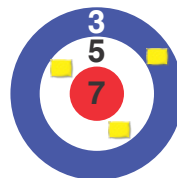
10. **Higher Order Thinking** Write a story problem about toys. The story should match the addition equation below.

$4 + 1 + 9 = 14$

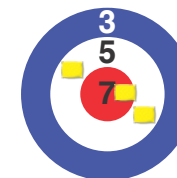
Four horizontal lines for writing a story problem.

11.  **Assessment Practice** Joy throws 3 beanbags at the target. She scores 17 points.

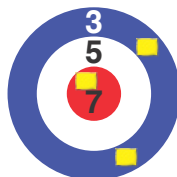
Which picture shows her target?



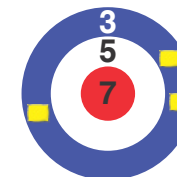
(A)



(B)



(C)



(D)