

Name _____

Date _____

Use the story problem for Problems 1 and 2.

An oak tree has 7 branches. Each branch has 4 acorns. How many acorns are there in all?

☐

Write a multiplication equation to represent the problem. Use a ? to represent the unknown value.

☐

Solve for the number of acorns.

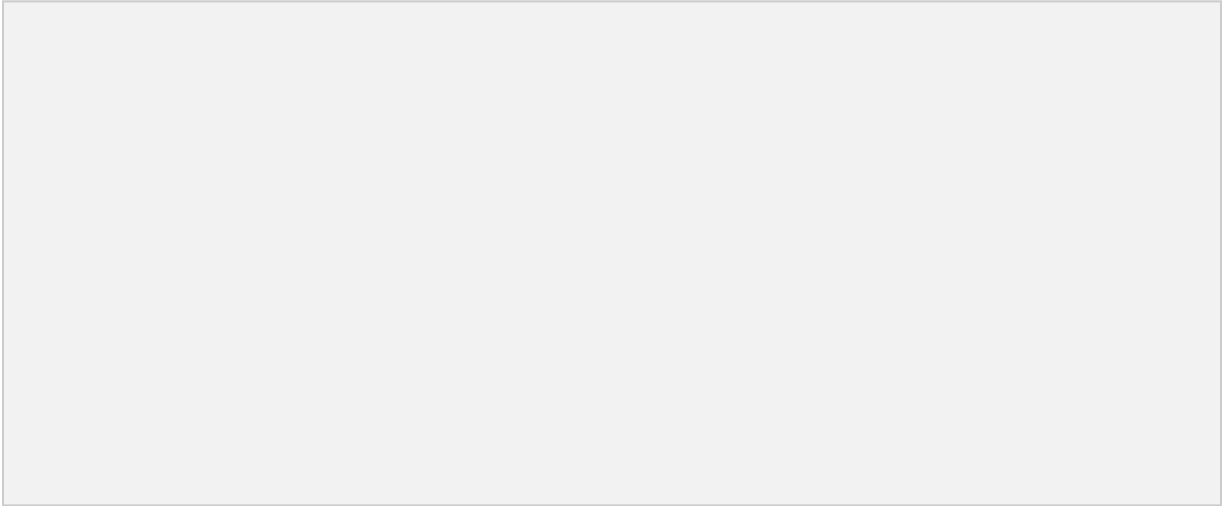
Use the story problem for Problems 3 and 4.

A ladybug has 6 legs. In a garden, there are 5 ladybugs. How many ladybug legs are there in all?

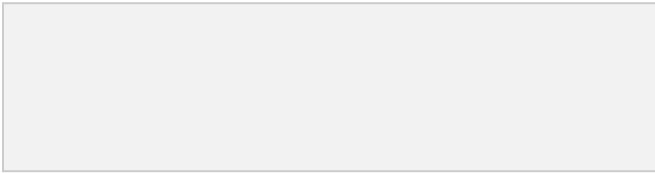
☐

Write a multiplication equation to represent the problem. Use a ? to represent the unknown value.

☐ Solve for the number of ladybug legs.



☐ Which multiplication equation represents the diagram?



☐ $54 = 9 \times ?$

☐ $? = 9 \times 54$

☐ $54 \times 9 = ?$

☐ $54 = ? \times ?$

☐ Marcus has 6 baskets of pinecones. Each basket has 9 pinecones. Which equation could be used to determine the total number of pinecones?

☐ $9 = ? \times 6$

☐ $? \times 9 = 6$

$\square ? = 9 \times 6$

$\square ? = 6 + 9$

For Problems 7–10, determine the value of the expression.

$5 + 4 + 7$

$9 + 3 + 6$

$8 + 2 + 5$

$6 + 7 + 1$

A baker made 40 blueberry muffins and 65 bran muffins. How many muffins did she make in all?

☐ A bakery arranges muffins on trays. Each tray holds 6 muffins. There are 7 full trays, plus 1 extra tray with only 4 muffins. How many muffins are there in all?

☐ In the equation $7 \times ? = 56$, the ? stands for a missing factor. What number does the ? represent? Explain how you know.

Answer Key

1. $? = 7 \times 4$
2. 28 acorns ($7 \times 4 = 28$)
3. $? = 5 \times 6$
4. 30 legs ($5 \times 6 = 30$)
5. A — $54 = 9 \times ?$ (9 groups, each an unknown size, totaling 54)
6. C — $? = 9 \times 6$ (6 baskets of 9 pinecones each)
7. $5 + 4 + 7 = 16$
8. $9 + 3 + 6 = 18$
9. $8 + 2 + 5 = 15$
10. $6 + 7 + 1 = 14$
11. 105 muffins ($40 + 65 = 105$)
12. 46 muffins ($7 \times 6 = 42$, plus 4 more = 46)
13. The ? represents 8, since $7 \times 8 = 56$.