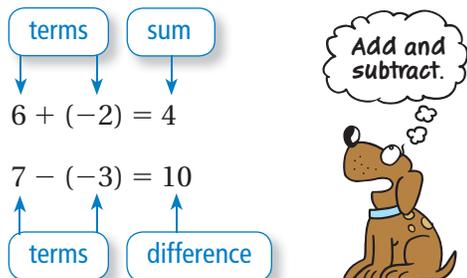


REVIEW: Adding and Subtracting Integers

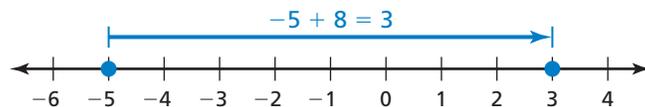
Name _____

Key Concept and Vocabulary



Visual Model

To add a positive number, move to the *right*.



To subtract a positive number, move to the *left*.

Skill Examples

1. $5 + (-3) = 5 - 3 = 2$

2. $5 - (-2) = 5 + 2 = 7$

3. $-2 + 4 = 2$

4. $-3 - (-2) = -3 + 2 = -1$

5. $8 - (-3) = 8 + 3 = 11$

To subtract, change the sign and add.

Application Example

6. The temperature is 8°F in the morning and drops to -5°F in the evening. What is the difference between these temperatures?

$$\begin{aligned} 8 - (-5) &= 8 + 5 \\ &= 13 \end{aligned}$$

∴ The difference is 13 degrees.

PRACTICE MAKES PURR-FECT™



Check your answers at BigIdeasMath.com.

Find the sum or difference.

7. $-2 + 3 = \underline{\quad}$

8. $-4 - 5 = \underline{\quad}$

9. $8 - 2 = \underline{\quad}$

10. $8 - (-2) = \underline{\quad}$

11. $-4 - (-1) = \underline{\quad}$

12. $-5 + (-5) = \underline{\quad}$

13. $4 - (-8) = \underline{\quad}$

14. $4 - 8 = \underline{\quad}$

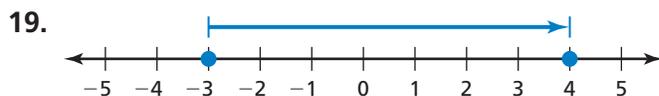
15. $-4 + (-6) = \underline{\quad}$

16. $-4 - (-6) = \underline{\quad}$

17. $10 - 13 = \underline{\quad}$

18. $13 - (-10) = \underline{\quad}$

Write the addition or subtraction shown by the number line.



21. **TEMPERATURE** The temperature is 16°F in the morning and drops to -15°F in the evening. What is the difference between these temperatures? _____

22. **SUBMARINE** A submarine is 450 feet below sea level. It descends 300 feet. What is its new position? Show your work.

