



## SKILL 4: Addition Facts and Subtraction Facts

Addition and subtraction are opposite operations. You can write a fact family to relate sums and differences.

### Example

Write a fact family for 6, 8, and 14.

$$6 + 8 = 14 \quad 8 + 6 = 14$$

$$14 - 8 = 6 \quad 14 - 6 = 8$$

You can use the properties of addition to add numbers.

**Commutative Property:** You can add two numbers in any order.

Example:  $5 + 9 = 9 + 5$

$$14 = 14$$

**Associative Property:** You can group numbers in any order to add them.

Example:  $(3 + 4) + 5 = 3 + (4 + 5)$

$$7 + 5 = 3 + 9$$

$$12 = 12$$

**Identity Element:** The sum of zero and any number is the number.

Example:  $37 + 0 = 37$

### Guided Practice

Find the sum. Then write two related subtraction facts.

1.  $4 + 7 = \underline{\quad}$

$11 - \underline{\quad} = 4$

$11 - \underline{\quad} = 7$

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

$17 - \underline{\quad} = 9$

$\underline{\quad} - \underline{\quad} = 8$

3.  $7 + 9 = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = 7$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

Find the difference. Then write two related addition facts.

4.  $15 - 7 = \underline{\quad}$

$8 + \underline{\quad} = 15$

$7 + \underline{\quad} = 15$

5.  $12 - 8 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = 12$

$\underline{\quad} + \underline{\quad} = 12$

6.  $14 - 9 = \underline{\quad}$

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

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

**SKILL 4: Practice**

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**Add or subtract.**

1.  $7 + 6 =$  \_\_\_\_\_

2.  $15 - 8 =$  \_\_\_\_\_

3.  $8 + 8 =$  \_\_\_\_\_

4.  $12 + 0 =$  \_\_\_\_\_

5.  $16 - 9 =$  \_\_\_\_\_

6.  $11 - 7 =$  \_\_\_\_\_

7.  $12 - 0 =$  \_\_\_\_\_

8.  $6 + 4 =$  \_\_\_\_\_

9.  $3 + 9 =$  \_\_\_\_\_

10.  $13 - 8 =$  \_\_\_\_\_

11.  $8 + 4 =$  \_\_\_\_\_

12.  $14 - 7 =$  \_\_\_\_\_

13.  $9 + 5 =$  \_\_\_\_\_

14.  $15 - 0 =$  \_\_\_\_\_

15.  $17 + 0 =$  \_\_\_\_\_

16.  $13 - 6 =$  \_\_\_\_\_

**Add.**

17.  $9 + 3 + 1 =$  \_\_\_\_\_

18.  $6 + 8 + 3 =$  \_\_\_\_\_

19.  $6 + 5 + 5 =$  \_\_\_\_\_

20.  $9 + 5 + 4 =$  \_\_\_\_\_

21.  $8 + 5 + 2 =$  \_\_\_\_\_

22.  $6 + 7 + 4 =$  \_\_\_\_\_

**Solve.**

23. Jeremy read 8 books last month. This month he wants to read 5 more than the number of books he read last month. How many books does Jeremy want to read this month?

\_\_\_\_\_

24. Mona bought a dozen eggs. She dropped the carton and 5 eggs broke. How many unbroken eggs did she have?

\_\_\_\_\_

**TEST PREP**

25. Find the sum:
- $3 + 9 + 6$
- .

*Skill 4***A** 12**C** 17**B** 15**D** 18

26. What is 50,993 rounded to the nearest thousand?

*Skill 2***F** 50,000**H** 59,000**G** 51,000**J** 60,000