

## Addition and Subtraction

In this worksheet, we will practice using different strategies to solve addition and subtraction problems. One strategy is *breaking apart*. For addition, this involves separating numbers into their place values and adding separately ( $26 + 35 = 20 + 30 + 6 + 5$ ). For subtraction, this involves separating the number being subtracted into its separate place values ( $28 - 15 = 28 - 10 - 5$ ).

Another addition strategy is *making 10*. This strategy involves changing 7, 8, or 9 into 10 to add to another number, borrowing from the second number to make the sum ( $7 + 5 = (7 + 3) + (5 - 3) = 12$ ).

Another subtraction strategy is *subtracting from 9's*. This involves subtracting 1 from 1,000 since it is easier to take away from 999. For example:

$$\begin{array}{r}
 1000 \\
 -384 \\
 \hline
 \end{array}
 =
 \begin{array}{r}
 999 + 1 \\
 -384 \\
 \hline
 615 + 1 = 616
 \end{array}$$

### Exercise Questions:

1. Which addition strategy would help with solving the problem below?

$44 + 38 = ?$

- A) breaking apart
- B) making ten

2. Which addition strategy would help with solving the problem below?

$119 + 5 = ?$

- A) breaking apart
- B) making ten

3. Solve the addition problem:

$109 + 7 = \underline{\hspace{2cm}}$

4. Which subtraction strategy would help with solving the problem below?

$1000 - 858 = ?$

- A) breaking apart
- B) subtracting from 9's

5. Which subtraction strategy would help with solving the problem below?

$138 - 14 = ?$

- A) breaking apart
- B) subtracting from 9's

6. Solve the subtraction problem:

$1000 - 744 = \underline{\hspace{2cm}}$



## Answer Key

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In this worksheet, we will practice using different strategies to solve addition and subtraction problems. One strategy is *breaking apart*. For addition, this involves separating numbers into their place values and adding separately ( $26 + 35 = 20 + 30 + 6 + 5$ ). For subtraction, this involves separating the number being subtracted into its separate place values ( $28 - 15 = 28 - 10 - 5$ ).

Another addition strategy is *making 10*. This strategy involves changing 7, 8, or 9 into 10 to add to another number, borrowing from the second number to make the sum ( $7 + 5 = (7 + 3) + (5 - 3) = 12$ ).

Another subtraction strategy is *subtracting from 9's*. This involves subtracting 1 from 1,000 since it is easier to take away from 999. For example:

$$\begin{array}{r} 1000 \\ -384 \\ \hline \end{array} = \begin{array}{r} 999 + 1 \\ -384 \\ \hline 615 + 1 = 616 \end{array}$$

#### Exercise Questions:

1. Which addition strategy would help with solving the problem below?

$$44 + 38 = ?$$

- ( A ) breaking apart )  
B) making ten

2. Which addition strategy would help with solving the problem below?

$$119 + 5 = ?$$

- A) breaking apart  
( B ) making ten )

3. Solve the addition problem:

$$109 + 7 = \underline{\underline{116}}$$

4. Which subtraction strategy would help with solving the problem below?

$$1000 - 858 = ?$$

- A) breaking apart  
( B ) subtracting from 9's )

5. Which subtraction strategy would help with solving the problem below?

$$138 - 14 = ?$$

- ( A ) breaking apart )  
B) subtracting from 9's

6. Solve the subtraction problem:

$$1000 - 744 = \underline{\underline{256}}$$

