REVIEW: Adding and Subtracting Multi-Digit Numbers

Name _____

Key Concept and Vocabulary

$$
\begin{array}{r}
18,416 \\
+\ 1,562 \\
\hline
19,978
\end{array}
\qquad
\begin{array}{r}
75,938 \\
-\ 2,415 \\
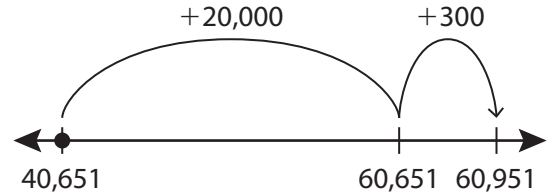\hline
73,523
\end{array}
$$

Add and subtract.

Use place value to line up the numbers.

Visual Model

To add on a number line, move to the *right*.

$40,651 + 20,300 = 60,951$

$+20,000$ $+300$

40,651   60,651   60,951

To subtract on a number line, move to the *left*.

Skill Examples

1.
$$
\begin{array}{r}
1\ 1 \\
10,326 \\
+\ 22,487 \\
\hline
32,813
\end{array}
$$

2.
$$
\begin{array}{r}
1\quad\ 1\ 1 \\
386,159 \\
+\ 541,372 \\
\hline
927,531
\end{array}
$$

3.
$$
\begin{array}{r}
6\ 10\ \ 7\ 14 \\
7\cancel{0}4,\cancel{8}\cancel{4}6 \\
-\ 413,751 \\
\hline
291,095
\end{array}
$$

4.
$$
\begin{array}{r}
9 \\
1\,\cancel{10}11 \\
97,\cancel{2}\cancel{0}\cancel{1} \\
-\ 63,164 \\
\hline
34,037
\end{array}
$$

Application Example

5. A video receives 9,720 views the first day and 32,583 views the second day. How many views does the video receive in two days?

$$
\begin{array}{r}
1\ 1\ \ 1 \\
32,583 \\
+\ 9,720 \\
\hline
42,303
\end{array}
$$

The video receives 42,303 views in two days.

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Check your answers at BigIdeasMath.com.

Find the sum or difference.

6.
$$
\begin{array}{r}
153,619 \\
+\ 413,751 \\
\hline
\end{array}
$$

7.
$$
\begin{array}{r}
75,218 \\
-\ 51,914 \\
\hline
\end{array}
$$

8.
$$
\begin{array}{r}
890,126 \\
-\ 3,450 \\
\hline
\end{array}
$$

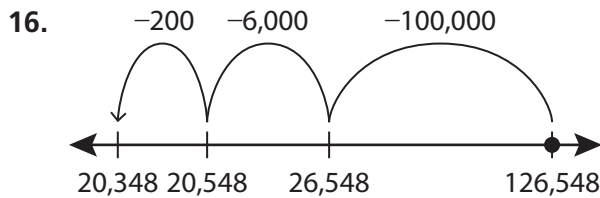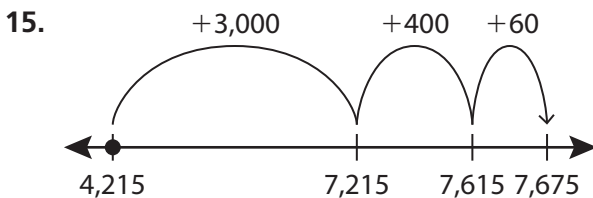**9.** $6,387 + 7,935 = $ _____

10. $40,524 + 19,488 = $ _____

11. $671,837 + 5,949 = $ _____

12. $4,973 - 1,215 = $ _____

13. $973,684 - 529,810 = $ _____

14. $256,349 - 82,157 = $ _____

Write the equation shown by the number line.

15. $+3,000$ $+400$ $+60$

4,215   7,215   7,615   7,675

_____

16. -200 $-6,000$ $-100,000$

20,348   20,548   26,548   126,548

_____

17. ATTENDANCE 92,721 fans attend the first football game of the season. 90,418 fans attend the second game. How many total fans attend the two football games? _____