

Grade : 7 Signed Numbers : Addition and Subtraction

Name :

Date :

Adding Integers

(a) Adding Integers with the same sign

Just add and keep the sign in your answer.

Example: (a) $-11 + (-5) = -16$ (b) $7 + 4 = 11$ (c) $+6 + (+8) = 14$

use this rule to add the following:

| | |
|----------------------|--------------------|
| (a) $-14 + -7 =$ | (b) $14 + 7 =$ |
| (c) $11 + (+9) =$ | (d) $-11 + (-9) =$ |
| (e) $(-10) + (-1) =$ | (f) $10 + 1 =$ |

(b) Adding Integers with different signs

Subtract, then write the sign of the bigger absolute value in your answer

Example: (a) $5 + (-11)$

$$11 - 5$$

11 is bigger and it is negative so

$$= -4$$

(b) $8 + (-7)$

$$8 - 7$$

8 is bigger and it is positive so

$$= 1$$

Use this rule to add the following:

(a) $-14 + 7 =$

(b) $14 + (-7) =$

(c) $11 + (-9) =$

(d) $-11 + (+9) =$

(e) $(-10) + (+1) =$

(f) $10 + (-1) =$

Application:

The temperature in New York was -7°C on Saturday. The temperature went up by 17°C on Sunday and dropped by 6°C on Monday.

What was the temperature on Monday?

