

a. Decide whether the sum will be positive or negative without actually calculating the sum.

i. $-4 + (-2)$ _____

ii. $5 + 9$ _____

iii. $-6 + (-3)$ _____

iv. $-1 + (-11)$ _____

v. $3 + 5 + 7$ _____

vi. $-20 + (-15)$ _____

b. Find the sum.

i. $15 + 7$

ii. $-4 + (-16)$

iii. $-18 + (-64)$

iv. $-205 + (-123)$

Choose the integer with the greater absolute value. Decide whether the sum will be positive or negative without actually calculating the sum.

i. $-1 + 2$ _____

ii. $5 + (-9)$ _____

iii. $-6 + 3$ _____

iv. $-11 + 1$ _____

b. Find the sum.

i. $-10 + 7$

ii. $8 + (-16)$

iii. $-12 + (65)$

iv. $105 + (-126)$

Solve the following problems. Show your work.

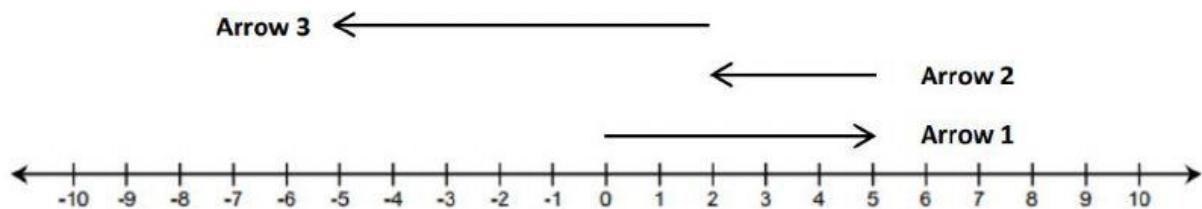
- a. Find the sum of $-18 + 7$.

b. If the temperature outside was 73 degrees at 5:00 p.m., but it fell 19 degrees by 10:00 p.m., what is the temperature at 10:00 p.m.? Write an equation and solve.

2. Which of these story problems describes the sum $19 + (-12)$? Check all that apply. Show your work to justify your answer.

- Jared's dad paid him \$19 for raking the leaves from the yard on Wednesday. Jared spent \$12 at the movie theater on Friday. How much money does Jared have left?
- Jared owed his brother \$19 for raking the leaves while Jared was sick. Jared's dad gave him \$12 for doing his chores for the week. How much money does Jared have now?
- Jared's grandmother gave him \$19 for his birthday. He bought \$8 worth of candy and spent another \$4 on a new comic book. How much money does Jared have left over?

3. Use the diagram below to complete each part.



- Label each arrow with the number the arrow represents.
- How long is each arrow? What direction does each arrow point?

Arrow	Length	Direction
1		
2		
3		

- Write an equation that represents the sum of the numbers. Find the sum.