

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.

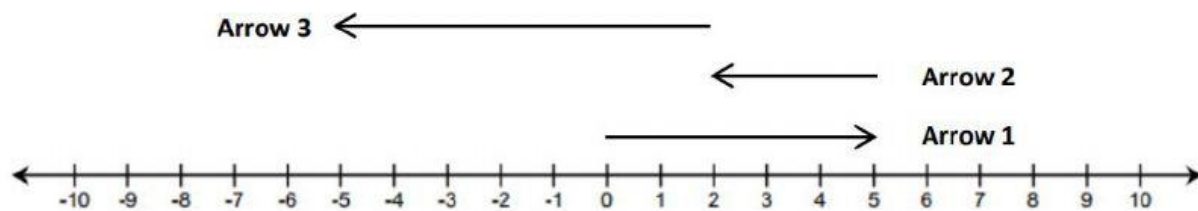
2. Which of these story problems describes the sum  $19 + (-12)$ ? Check all that apply. Show your work to justify your answer.

\_\_\_\_\_ 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.