

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

**1. Write an integer for each statement**

- |                             |                    |                               |
|-----------------------------|--------------------|-------------------------------|
| a. A gain of \$15           | b. \$200 deposit   | c. 29°C below                 |
| d. 10 minutes earlier       | e. 20 kg heavier   | f. loss of 10 kg              |
| g. \$67 in debt             | h. 40 mm removed   | i. rise of 15°C               |
| j. \$40 withdrawal          | k. \$10 profit     | l. \$5 reduction              |
| m. 25 m longer              | n. 5 point penalty | o. 2 floors down              |
| p. 8 L poured into a bucket | q. 2 L leaked out  | r. 120 m increase in altitude |

**2. Write the opposite of**

- |                                    |                          |                             |
|------------------------------------|--------------------------|-----------------------------|
| a. A loss of \$350                 | b. a 150 kg gain in mass | c. An 80 m loss of altitude |
| d. an 6 °C decrease in temperature | e. 20 points scored      | f. \$20 paid                |

**3. Draw separate number lines and illustrate each set of integers**

- |            |            |                 |
|------------|------------|-----------------|
| a. -5 to 8 | b. -3 to 9 | c. -10°C to 0°C |
|------------|------------|-----------------|

**4. Which integer is greater**

- |             |          |          |
|-------------|----------|----------|
| a. -18, -25 | b. -9, 3 | c. 0, -7 |
|-------------|----------|----------|

**5. Arrange in order from least to greatest**

- |                     |                       |                      |
|---------------------|-----------------------|----------------------|
| a. 15, 0, -8, 6, -2 | b. -8, -1, 0, -14, 3  | c. -9, -5, 11, -8, 4 |
| d. 3, -4, 0, 5, -8  | e. -6, 2, -10, -9, 13 | f. 5, -8, 0, 7, -2   |

**6. Use the symbols < (less than), > (greater than), or = (equal to) to compare integers**

- |                |                |               |
|----------------|----------------|---------------|
| a. -5 ___ 5    | b. 7 ___ 0     | c. 13 ___ +13 |
| d. 61 ___ -70  | e. -25 ___ -10 | f. -8 ___ -18 |
| g. -14 ___ -7  | h. 8 ___ -15   | i. -19 ___ 14 |
| j. -35 ___ -12 | k. 0 ___ 18    | l. +21 ___ 21 |

**7. Add the following integers.**

a.  $(-8) + (-20) = \underline{\hspace{2cm}}$

b.  $(-24) + (+2) = \underline{\hspace{2cm}}$

c.  $36 + (-9) = \underline{\hspace{2cm}}$

d.  $-3 + -4 = \underline{\hspace{2cm}}$

e.  $(+2) + 7 = \underline{\hspace{2cm}}$

f.  $(-8) + 3 = \underline{\hspace{2cm}}$

g.  $-16 + 14 = \underline{\hspace{2cm}}$

h.  $(+19) + (+16) = \underline{\hspace{2cm}}$

i.  $-10 + 3 = \underline{\hspace{2cm}}$

j.  $-30 + (+15) = \underline{\hspace{2cm}}$

k.  $5 + 9 = \underline{\hspace{2cm}}$

l.  $-7 + -15 = \underline{\hspace{2cm}}$

n.  $(-16) + (+8) = \underline{\hspace{2cm}}$

o.  $(-14) + 14 = \underline{\hspace{2cm}}$

p.  $(+16) + -13 = \underline{\hspace{2cm}}$

**8. Determine the missing number.**

a.  $\underline{\hspace{2cm}} + (-5) = 3$

b.  $7 + \underline{\hspace{2cm}} = -2$

c.  $-11 + \underline{\hspace{2cm}} = -16$

d.  $9 + \underline{\hspace{2cm}} = -3$

e.  $-8 + \underline{\hspace{2cm}} = 16$

f.  $-3 + \underline{\hspace{2cm}} = 0$

g.  $28 + \underline{\hspace{2cm}} = 12$

h.  $-4 + \underline{\hspace{2cm}} = -10$

i.  $-12 + \underline{\hspace{2cm}} = 18$

j.  $-23 + \underline{\hspace{2cm}} = -12$

l.  $24 + \underline{\hspace{2cm}} = -3$

m.  $\underline{\hspace{2cm}} + 6 = -5$

n.  $\underline{\hspace{2cm}} + (-7) = 2$

o.  $\underline{\hspace{2cm}} + -19 = -10$

p.  $\underline{\hspace{2cm}} + (-4) = -8$

**9. Solve the following Problems**

a. A number increased by 13 is -9. What is the number?

b. Eight more than a number is 25. Find the number.

c. Seven greater than a number is 13. Find the number.

d. Find a number three more than the sum of 4 and -9.

e. Four more than a number increased by 5 is 12. Find the number.

f. Find a number nine more than the sum of 13 and 5.

**10. Solve the following problems.**

a. A hot air balloon is at a height of 134 m. The pilot increases the height by 46 m. What is the new height?

b. A Bank account has a \$257 balance. A deposit is made for \$329. What is the new balance?