

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

## Integers

Q1. Write down a pair of integers whose:

(a) sum is  $-8$  (b) difference is  $-15$  (c) sum is  $0$

Sol.

Q2. Write a pair of negative integers whose difference gives  $9$ .

Sol.

Q3. Write a negative integer and a positive integer whose sum is  $-7$ .

Sol.

Q4. Write a negative integer and a positive integer whose difference is  $-5$ .

Sol.

Q5. Fill in the blanks to make the following statements true:

a.  $[11 + (-14)] + ( ) = 11 + [(-14) + (-8)]$

b.  $(-6) + [10 + (-3)] = [-6 + 10] + ( )$

Sol.

Q6. In a quiz, team A scored  $-12, 15, 24$  and team B scored  $5, -15, 40$  in three successive rounds. Which team scored more?

Sol.

## Answers

### Integers

Q1. Write down a pair of integers whose:

(a) sum is  $-8$  (b) difference is  $-15$  (c) sum is  $0$

Sol. (a)  $(-9) + 1 = -8$

(b)  $(-20) - (-5) = (-15)$

(c)  $(-17) + 17 = 0$

(We can write more pairs for the above question. So, answer may vary)

Q2. Write a pair of negative integers whose difference gives  $9$ .

Sol.  $-2 - (-11) = 9$

Q3. Write a negative integer and a positive integer whose sum is  $-7$ .

Sol.  $-9 + 2 = -7$

Q4. Write a negative integer and a positive integer whose difference is  $-5$ .

Sol.  $-3 - (2) = -5$

Q5. Fill in the blanks to make the following statements true:

a.  $[11 + (-14)] + ( ) = 11 + [(-14) + (-8)]$

b.  $(-6) + [10 + (-3)] = [-6 + 10] + ( )$

Sol.  $[11 + (-14)] + (-8) = 11 + [(-14) + (-8)]$

$(-6) + [10 + (-3)] = [-6 + 10] + (-3)$

Q6. In a quiz, team A scored  $-12, 15, 24$  and team B scored  $5, -15, 40$  in three successive rounds. Which team scored more?

Sol. Team A scored =  $-12, 15, 24$

Total score =  $-12 + 15 + 24 = 27$

Team B scored =  $5, -15, 40$

Total score =  $5 + (-15) + 40 = 30$

Team B scored more.