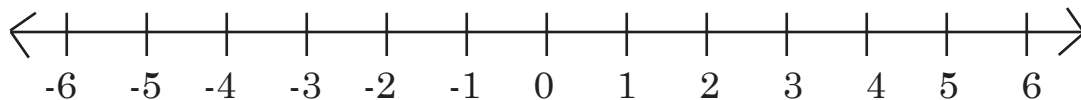


Example:

You know that $5 - 3 = 2$, but what does $3 - 5 = \underline{\quad}$?

We have no number in the set of Whole Numbers, $W = \{0, 1, 2, 3, \dots\}$ which is equal to $3 - 5$.

There is set of integers to include the negative numbers, which are the image of positive numbers if a mirror is at zero.



Here, -1 is image of 1 and called the negative of 1 or minus 1 and so on.

On the number line, the movement from left to right is positive and movement from the right to left is negative.

1. Subtract the following.

a. $4 - 2 = \underline{\quad}$

k. $12 - 8 = \underline{\quad}$

b. $4 - 3 = \underline{\quad}$

l. $12 - 9 = \underline{\quad}$

c. $4 - 4 = \underline{\quad}$

m. $12 - 10 = \underline{\quad}$

d. $4 - 5 = \underline{\quad}$

n. $12 - 11 = \underline{\quad}$

e. $4 - 6 = \underline{\quad}$

o. $12 - 12 = \underline{\quad}$

f. $4 - 7 = \underline{\quad}$

p. $12 - 13 = \underline{\quad}$

g. $4 - 8 = \underline{\quad}$

q. $12 - 14 = \underline{\quad}$

h. $4 - 9 = \underline{\quad}$

r. $12 - 15 = \underline{\quad}$

i. $4 - 10 = \underline{\quad}$

s. $12 - 16 = \underline{\quad}$

j. $4 - 11 = \underline{\quad}$

t. $12 - 17 = \underline{\quad}$

Calculating Integers Part I

2. Subtract the following.

a. $20 - 8 = \underline{\quad}$

b. $20 - 20 = \underline{\quad}$

c. $20 - 21 = \underline{\quad}$

d. $0 - 20 = \underline{\quad}$

e. $0 - 200 = \underline{\quad}$

f. $20 - 100 = \underline{\quad}$

g. $25 - 50 = \underline{\quad}$

h. $25 - 150 = \underline{\quad}$

i. $50 - 200 = \underline{\quad}$

j. $45 - 70 = \underline{\quad}$

k. $66 - 0 = \underline{\quad}$

l. $107 - 170 = \underline{\quad}$

m. $44 - 44 = \underline{\quad}$

n. $\frac{4}{9} - \frac{4}{9} =$

o. $\frac{8}{15} - \frac{9}{15} =$

p. $1 - \frac{5}{9} =$

q. $0 - \frac{5}{9} =$

r. $\frac{7}{8} - 1 =$

s. $\frac{3}{5} - \frac{1}{5} =$

t. $\frac{1}{5} - 1 =$

u. $\frac{7}{36} - \frac{10}{36} =$

v. $\frac{4}{25} - \frac{2}{25} =$

w. $\frac{1}{18} - \frac{10}{18} = -\frac{\boxed{\quad}}{18} = -\frac{1}{\boxed{\quad}}$

x. $\frac{15}{24} - \frac{9}{24} =$

y. $\frac{14}{19} - 1 =$

z. $\frac{6}{17} - \frac{8}{17} =$