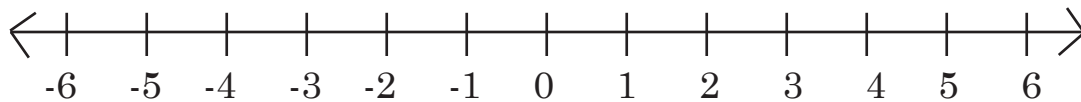


Example:

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