

**What are negative numbers and what do they mean?**

Connect

Yes

17

17.0

No

17.10

17  $\frac{10}{100}$

## Connect

Yes

17

17.0

2

2.0

2.000

No

17.10

$17\frac{10}{100}$

$2\frac{1}{2}$

$2\frac{1}{4}$

2.31

## Connect

Yes

17

17.0

2

2.0

2.000

13

4

371

No

17.10

$17\frac{10}{100}$

$2\frac{1}{2}$

$2\frac{1}{4}$

2.31

$\frac{2}{3}$

.719

5.000000061

## Connect

Yes

17

17.0

2

2.0

2.000

13

4

371

1

No

17.10

$17\frac{10}{100}$

$2\frac{1}{2}$

$2\frac{1}{4}$

2.31

$\frac{2}{3}$

.719

5.000000061

0

Natural Numbers : 1, 2, 3, 4, 5, 6

$\mathbb{N}$



Whole Numbers : 0, 1, 2, 3, 4, 5, 6

$\mathbb{Z}$  Integers

Integers : ... -3, -2, -1, 0, 1, 2, 3, 4 ...

**I do**

Money

**I do**

Tweets



**I do**

Altitude

**I do**

Temperature

**I do**

Dolphin Rides

**I do**

Football

**I do**

Score in a game

## We do

|                              | Positive Numbers Mean  | Negative Numbers Mean |
|------------------------------|------------------------|-----------------------|
| Altitude                     | above ground / sea     | below ground / sea    |
| Temperature                  | above freezing point   | below freezing point  |
| Game or Location or Football | gaining points / yards | losing points / yards |
| Money                        | have money             | owe money             |

## We do

### Vocab

Natural Numbers  $\mathbb{N}$  1, 2, 3, 4, 5, ...

Whole Numbers 0, 1, 2, 3, 4, 5, ...

Integers  $\mathbb{Z}$  ... -3, -2, -1, 0, 1, 2, 3, ...

### Opposite

↳ ex: 3 and -3 same value,  
-10 and 10 opposite direction

**You do together  
on whiteboard**

On Monday, Stanley's checked his bank account, and he had \$25 in the account.

On Wednesday, he checked it again, and he had a balance of -\$15

1) What does a balance of \$25 mean?

2) What does a balance of -\$15 mean?

3) What must have happened for his balance to go from \$25 to -\$15?

**You do alone on  
index card**

Dr D and his mom are playing a game. In the game, if you roll a 1, 2, 3, 4, or 5, you get that many points. If you roll a 6, you **lose** 6 points.

After two rounds, Dr D's score is -4, and his mom's score is 10.

1) What does a score of 10 mean?

2) What does a score of -4 mean?

3) What must have happened for mom to get a score of 10?

4) What must have happened for Dr D to get a score of -4?