

Dividing Negative and Positive Numbers

Negative numbers are less than zero and written with a sign, e.g. (-3). Positive numbers are greater than zero and usually don't have a sign, e.g. 4. (Images created using free virtual manipulatives available at Mathsbot.com)

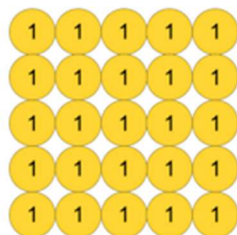
$$25 \div 5 =$$

What do I multiply by 5 to get 25?

$$5 \times 5 = 25$$

Add five lots of 5

$$\text{So, } 25 \div 5 = 5$$



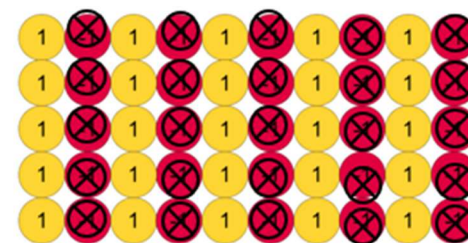
$$25 \div (-5) =$$

What do I multiply by (-5) to get 25?

$$(-5) \times (-5) = 25$$

Take away five lots of (-5)

$$\text{So, } 25 \div (-5) = (-5)$$



$$(-25) \div 5 =$$

What do I multiply by 5 to get (-25)?

$$5 \times (-5) = (-25)$$

Add five lots of (-5)

$$\text{So } (-25) \div 5 = (-5)$$



$$(-25) \div (-5) =$$

What do I multiply by (-5) to get (-25)?

$$(-5) \times 5 = (-25)$$

Take away five lots of five

$$\text{So } (-25) \div (-5) = 5$$

