The acronym used to find the order of operations:

* B – brackets
* E – exponents
* D – divide **Either D or M can go first as**
* M – multiply **long as you read left to right**
* A – addition **Either A or S can go first as**
* S – subtraction **long as you read left to right**

**Solve: 66 x (6 ÷ 2) + 1**

**Answer: 199**

**Solve: 7 + 9 x (3 + 8)**

**Answer: 106**

**What will you do first and second?**

**8 x (2³ - 3) + 8**

**Answer: Brackets and exponent**

**How do you find 2³?**

**2 x 2 x 2**

**Answer: 48**

**What will you do first?**

**9 + 2 x (7 – 5)**

**Answer: Brackets**

**Answer: 13**

**What will you do second?**

**63 ÷ (10 – 3) x 3**

**Answer: Divide**

**Answer: 27**

**What will you do first?**

**38 – 19 + 12**

**Answer: Subtraction**

**Answer: 31**

**Solve: 9 + 2³ x (10 – 8) ÷ 2 + 6**

**Answer: 23**

**Solve: 26 + 6² ÷ 4**

**Answer: 35**

**Solve: 18 ÷ 1 x 3²**

**Answer: 162**

**Solve: 55 ÷ 11 + 7 x (2 + 2)**

**Answer: 33**

**Solve: 27 ÷ (3 + 6) x 5 – 12**

**Answer: 3**

**Solve: [ – 7 + (-1)] ÷ (-4) + (-5)**

**Answer: -3**

**Solve: (-15) ÷ (-3) – (+4) x (-2)**

**Answer: +13**

One week the daily high temperature was: -2°, -6°, +1°, +2°, -5°, -8°, +4°. Write the daily high temperature as an addition statement to help find the mean (average) temperature?

**-add up the numbers and divide by the number of integers**

**Average =** $\frac{sum}{\# of integers}$

 = $\frac{-14}{7}$

 = -2

The average temperature for the week is -2°

Sum: (-2) + (-6) + (+1) + (+2) + (-5) + (-8) + (+4)

 = -8 + (+1) + (+2) + (-5) + (-8) + (+4)

 = -7 + (+2) + (-5) + (-8) + (+4)

 = -5 + (-5) + (-8) + (+4)

 = -10 + (-8) + (+4)

 = -18 + (+4)

 = -14