

P. 142

BEDMAS continued

Sept 23

$$a = 3 \quad b = 6 \quad c = -\frac{1}{2}$$

20 a)

$$= a(b+c)$$
$$= 3\left(\overset{\text{X2}}{\underset{\text{1X2}}{6}} + -\frac{1}{2}\right) \checkmark$$
$$= 3\left(\frac{12}{2} - \frac{1}{2}\right) \checkmark$$
$$= \frac{33}{2} \checkmark$$

Diagram showing the flow of the calculation:

- A red arrow points from the $c = -\frac{1}{2}$ equation to the $3\left(\frac{12}{2} - \frac{1}{2}\right)$ expression.
- A purple arrow points from the $3\left(\frac{12}{2} - \frac{1}{2}\right)$ expression to the $3\left(\frac{1}{2}\right)$ expression.
- A red arrow points from the $3\left(\frac{1}{2}\right)$ expression to the $\frac{33}{2}$ result.

21b)

$$x = 0.5 \quad y = 7.2 \quad z = -1.8$$

$$xy + xz$$

$$= (0.5)(7.2) + (0.5)(-1.8)$$

$$= 3.6 + (-0.9)$$

$$= 2.7$$

P.185 Mean, Median, Mode

Mean - average

Median - the middle number, when the set of numbers is arranged in order

Mode - the number that occurs the most, could be more than one.

p. 185 Measures of Central Tendency

1. The most requested song mode
2. the marks 12, 80, 82, 84, 87 median
3. the most popular bh cap size mode
4. the mass of an adult elephant mean
5. the typical salary in a company
6. your bowling ability - mean median

7. 21, 25, 27, 26, 25 9+13

$$\frac{21 + 25 + 25 + 26 + 27}{5} =$$

$$\text{Mean} = 24.8$$

$$\text{Median} = 25$$

$$\text{Mode} = 25$$

Range

$$27 - 21 = 6$$

Homework Sept 23

P142 - 19, 20b, g, h, 21d, g, h, 23

p. 185-186 - 8, 10, 11, 15ab

Quiz - next class

Test - next Tues - Sept 30

See you period
5.