

take up H36

P. 138

$$2\frac{1}{4} - \left(-1\frac{1}{2}\right)$$

$$= \frac{9}{4} - \left(-\frac{3}{2}\right) \quad \checkmark$$

$$= \frac{9}{4} + \frac{6}{4} \quad \checkmark$$

$$= \frac{15}{4} \quad \checkmark$$

P. 141

BEDMAS

Sept 19

$$11. (0.75 + 0.25)^3 \div 0.2$$

$$= (1)^3 \div 0.2$$

$$= 1 \div 0.2$$

$$= 5$$

12.

$$2 \left(\frac{1}{4} - \frac{1}{2} x^2 \right)^2 - \left(\frac{1}{2} \right)^3$$

$$\left(\frac{1}{2} \right) \left(\frac{1}{2} \right) \left(\frac{1}{2} \right)$$

$$= 2 \left(\frac{1}{4} - \frac{4}{2} \right) - \frac{1}{8} \quad \checkmark$$

$$= 2 \left(-\frac{3}{2} \right) - \frac{1}{8} \quad \checkmark$$

$$= -\frac{6x^4}{2} - \frac{1}{8}$$

$$= -\frac{24}{8} - \frac{1}{8} = -\frac{25}{8}$$

Q10 a) evaluate for $a=3, b=6, c=-\frac{1}{2}$

$$a) a(b+c)$$

$$= 3\left(\frac{6 \times 2}{1 \times 2} - \frac{1}{2}\right) \checkmark$$

$$= 3\left(\frac{12}{2} - \frac{1}{2}\right) \checkmark$$

$$= 3\left(\frac{11}{2}\right) \checkmark$$

$$= \frac{33}{2} \checkmark$$

$$c) b^2 + a$$

$$= 6^2 + 3$$

$$= 36 + 3$$

$$= 39$$

21 b.

$$x = 0.5, y = 7.2, z = -1.8$$

$$xy + xz$$

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

$$= 3.6 + (-0.9)$$

$$= 2.7$$

$$\begin{aligned} & \text{f. } x^2 + y^2 \\ &= (0.5)^2 + (7.2)^2 \\ &= 0.25 + 51.84 \\ &= 52.09 \end{aligned}$$

P. 185

Statistics

Sept. 19

Measures of Central Tendency

Mean: average add up the numbers
+ divide by how many numbers
there are

Median: the middle number when
the numbers are arranged in order

you may to average them middle 2.

Mode: the number that occurs most
frequently, there might not be
one

Range: the difference between the highest + the lowest

1. most requested song: mode
2. marks of 12, 80, 82, 84, 87 median
3. most popular baseball cap size mode
4. mass of an adult elephant mean
5. typical salary paid by company median
6. bowling ability mean

7. Find mean, median, mode + range:

21, 25, 27, 26, 25

$$= 124 \div 5 =$$

$$= 24.8 \rightarrow \text{MEAN}$$

21, 25, 25, 26, 27 $\rightarrow$ Median 25

Mode: 25

$$27 - 21 = 6 = \text{Range}$$

Homework: 141-142 BEDMAS
p. 185 8, 10