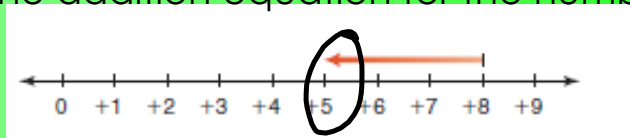


$$1) (+1) + (-3) = +4$$

2) What is the addition equation for the number line?



$$(+8) + (-3) = +5$$

3) Represent the subtraction equation with counters:

$$(-1) - (-4) = +3$$



$$4) (+4) + (-2) = +6$$



$$5) 63 \div 7 = 9$$

$$6) 30 \times 0.5 = 15$$

$$7) 133 \times 2 = 266$$

8) What number is divisible by 4? a) 210 b) 115 c) 204

9) What number is divisible by 6? a) 424 b) 140 c) 306

$$10) 1/3 \text{ of } 30 = 10$$

 <https://www.youtube.com/watch?v=MK3-MtrvSWs>

Example

The hourly wages, in dollars, of 10 workers are: 8, 8, 8, 8, 9, 9, 9, 11, 12, 20

Find:

a) the mean 10.2 b) the mode 8 c) the median 9 d) the range 12

How does each average relate to the data?

$$20 - 8 = 12$$

3. a) Find the mean, median, and mode for each data set.
- i) 4, 5, 7, 8, 11
 - ii) 50, 55, 65, 70, 70, 50
 - iii) 7, 63, 71, 68, 71
 - iv) 6, 13, 13, 13, 20

mean = 60
median = 67.5

mode = 13

mean = 56
mode = 71

mean = 13

median = 13

b) Which data sets have:

i) the same values for the mean and median?

What do you notice about the numbers in each set?

- the same values for the mean, median, and mode?

What do you notice about the numbers in each set?

- different values for the mean, median, and mode?

What do you notice about the numbers in each set?

iv - mean/median is the same
5 numbers
* When there is a match with mean and median your mode with the same or close.

4. **Assessment Focus** Write two different data sets with 6 numbers, so that:

a) The mode is 100. The median and the mean are equal.

b) The mode is 100. The mean is less than the median.

Show your work.

Different values (m, m, m) will not be close if your data set is spread apart

4b) mode = 100

mean has to be less than the median.

100, 100, 500, 100, 100
0, 99, 100, 100, 100, 200

7. In 2005, the Edmonton Miners hosted The Minto Cup Junior A Lacrosse Championship. Here are the 2005 statistics, as of June 30, 2005, for 10 players on the team.

Player	Games	Goals	Assists	Points	Penalty Minutes
Jeremy Boyd	13	2	8	10	54
Dan Claffey	11	3	11	14	33
Dalen Crouse	11	10	10	20	6
Andrew Dixon	15	4	5	10	47
Dan Hartzell	11	5	21	26	8
Cole Howell	12	21	13	34	0
Aiden Inglis	12	3	4	7	23
Ryan Polny	17	7	14	21	2
Chris Schmidt	5	8	4	12	2
Neil Tichkowsky	17	34	19	53	8

- a) Calculate the mean, the median, and the mode of each set of data.
- b) Make up a question about the mean, the median, or the mode that can be answered using these data. Answer your question.



If you finish-

p. 265-q. 6

p. 266-q. 7a