Section 1: Mental Math Practice

Multiplication and Division up to 10x10

1. 9 x 6
2. 2 x 4
3. 5 x 8
4. 10 x 3
5. 4 x 7
6. 6 ÷ 2
7. 21 ÷ 3
8. 54 ÷ 6
9. 70 ÷ 10
10. 25 ÷ 5
11. 6 x 3
12. 8 x 5
13. 9 x 4
14. 7 x 5
15. 1 x 8
16. 20 ÷ 2
17. 36 ÷ 4
18. 14 ÷ 7
19. 72 ÷ 8
20. 10 ÷ 5

Section 2: Mean, Median and Mode

1. These are the results of the latest science test: 100, 90, 95, 50, 45, 75, 80, 85, 90, 95, 75, 90, 70, 90, and 80
   1. What is the mean test score?
   2. What is the mode score?
   3. What is the range of scores?
   4. What is the median score?
2. Joe has a part time job. These are the hours that he worked each week for 10 weeks: 10, 14, 7, 8, 10, 12, 10, 25, 12, 10.
   1. Calculate the mean, median, and mode hours
   2. Is there an outlier? Identify it. What might explain the value?
   3. Calculate the mean, median, and mode hours without the outlier. How are they affected when the outlier is not included?
   4. Should the outlier be used when reporting the average hours that Joe worked?
3. Write two different data sets with 6 numbers, so that:
   1. The mode is 10. The mean and median are equal.
   2. The mode is 10. The mean is less than the median.