Mean

The mean is the average.

1. Add up all the values to find a total
2. Divide the total by the number of values you added together.

2+2+3+5+5+7+11 = 35
(There are 7 values)

35÷7 = 5
→**The mean is 5**

Median

The median is the middle value.

1. Write the values in numerical order
2. The median is the middle value. If there are 2 values in the middle, find the average of these 2 numbers.

2, 2, 3, 5, 5, 7, 11
→**The median is 5**

Mode

The mode is the most frequent value.

1. Count how many of each value appears.
2. The mode is the value that appears the most often.

Note: You can have more than one mode.

2, 2, 3, 5, 5, 7, 11
→**The modes are 2 and 5**

Range

The range is the difference between the lowest and highest value

1. Subtract the lowest value from the highest value in the data set

2, 2, 3, 5, 5, 7, 11

11−2 = 9
→**The range is 9**

LIVEWORKSHEETS

Averages: Mean, median & mode

Find the **mean, median and mode** for each set of numbers. Show your work and write your answer in the space provided.

Given	Mean	Median	Mode
a. 4, 4, 3, 9, 5			
b. 8, 4, 5, 8, 5, 4, 8			
c. 10, 13, 11, 13, 13			
d. 5, 12, 13, 16, 12, 14, 12, 5, 10			

LIVEWORKSHEETS

Notepads and pencils pictograph

Count how many notepads and pencils were sold by each shop. Study the pictograph and answer the questions below.

Shop	Number of notepads
Shop A	
Shop B	
Shop C	
Shop D	

Shop	Number of pencils
Shop A	
Shop B	
Shop C	
Shop D	

1. How many notepads were sold by shop B? _____
2. Which shop sold a total of 125 notepads? _____
3. How many more notepads were sold by shop C than shop A? _____
4. Which shop sold the fewest pencils? _____
5. What is the total number of pencils sold by all the shops? _____
6. Which shop sold the same number of notepads and pencils? _____

LIVEWORKSHEETS

Probability: Fair die

Study the problem and answer the probability questions. Write your answer as a fraction and simplify if possible.

A fair die is tossed.

Remember: ***1 is not a prime number***

1. What is the probability of rolling a 3? _____
2. What is the probability of rolling more than 4? _____
3. What is the probability of rolling less than 5? _____
4. What is the probability of rolling an even number? _____
5. What is the probability of rolling an odd number? _____

LIVEWORKSHEETS