

4) Price: \$500
30% discount

$$\begin{array}{r} 150 \\ \hline 500 \end{array} \times \begin{array}{r} 30 \\ \hline 100 \end{array}$$

$$\begin{array}{r} \$500 - \$150 \\ \$350 \end{array}$$

3) \$5.00 jar
50% off

$$\begin{array}{r} 2.50 \\ \hline 5.00 \end{array} \quad \begin{array}{l} \times \rightarrow 50 \\ = \downarrow 100 \end{array}$$

Discount: \$2.50

Sales Price:

$$5.00 - 2.50 = 2.50$$

8) \$1250 TV
on sale: 15% off
Tax: 6.5%

$$\textcircled{1} \frac{187.50}{1250} \begin{array}{l} \nearrow 15 \\ \downarrow 100 \end{array}$$

$$\begin{array}{r} \$1250 - 187.50 \\ \$1062.50 \end{array}$$

② Tax:

$$\rightarrow \frac{69.06}{1062.50} \begin{array}{l} \nearrow 6.50 \\ \downarrow 100 \end{array}$$

$$\begin{array}{r} 1062.50 + 69.06 \\ \underline{\underline{\$1131.56}} \end{array}$$

10) 3 friends \$72.50

① Tax: 6.75%

$$\frac{4.89}{72.50} = \frac{6.75}{100}$$

→ Tip: 15% How much each?

$$72.50 + 4.89$$

$$\$77.39$$

② Add tip: 15%

$$\frac{11.60}{77.39} = \frac{15}{100}$$

$$77.39 + 11.60$$

$$\$88.99$$

② How much does each pay?

$$\frac{88.99}{3} = \underline{\underline{\$29.66}}$$

Review from last year:

Mean: average of a set of numbers. You add up all the numbers and divide by the amount of values.

EX: 2, 5, 9, 3, 5, 4, 7

$$\text{Mean} = \frac{2 + 5 + 9 + 3 + 5 + 4 + 7}{7}$$

Because there are 7 numbers in the set

$$= \frac{35}{7} = 5$$

Median : this is the middle number.

EX: ~~2~~, ~~5~~, ~~9~~, ~~3~~, ~~5~~, ~~4~~, ~~7~~

▷ If the amount is odd

Step 1: Put numbers in order

Step 2: find the one in the middle.

2, 3, 4, 5, 5, 7, 9

median is 5.

EX: 2, 5, 9, 3, 5, 4

▷ If there's an even amount of numbers:

Step 1: Put numbers in order.

Step 2: Find the two numbers in the middle.

Step 3: Add them together and divide by 2.

① 2, 3, 4, 5, 5, 9

② $\uparrow \uparrow$
4 and 5.

③
$$\frac{4+5}{2} = \frac{9}{2} = 4.5$$

Mode: This is the number that occurs most often.

EX: 2, 5, 9, 3, 5, 4, 7

Mode is 5.

Range: difference between the largest value and the smallest value.

- ① Put numbers in order
- ② Biggest number MINUS smallest number.

EX: 2, 5, 9, 3, 5, 4, 7

① ②, 3, 4, 5, 5, 7, ⑨

② Range = $9 - 2$
= 7

Practice:
Find mean, median,
mode, range.

(A) 2, 5, 9, 8, 6, 4,
12, 10, 15, 6, 6, 4.

(B) 3, 7, 5, ~~20~~, 5, 6,
7, 3, 7, 9, 7, 28.

ixl: Grade 6 AA.1

Calculate mean,
median, mode,
range.