

PERCENTS: INTRO

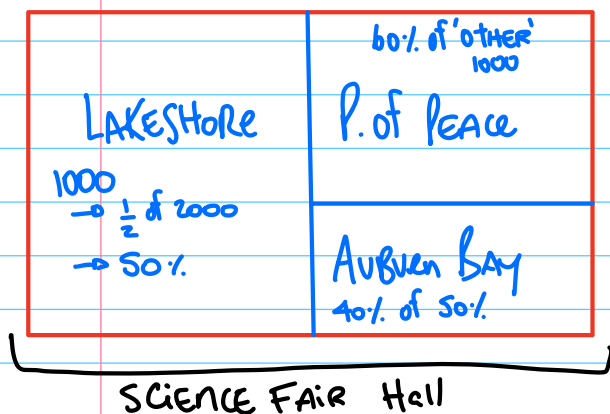
PERCENT = OF/OUT OF ONE HUNDRED

PERCENT is defined as "OF" and "HUNDRED".

Three middle schools are having a science fair at the Olympic Oval. The amount of space given to each school is based on the number of students.

Lakeshore School has about 1000 students, Prince of Peace has about 600 students and Auburn Bay School has 400 students.

The rectangle below represents the auditorium. Divide the rectangle to show the amount of space each school should get based on the number of students. Label the sections LS, POP and ABS.



LAKESTORE = 1000 students **LS**

P. of PEACE = 600 students **POP**

AUBURN BAY = 400 students **ABS**

TOTAL STUDENTS = 2000

AS A PERCENTAGE:

LAKESTORE: 50%

P. of PEACE: 30%

AUBURN BAY: 20%

AS A FRACTION:

$$\text{LAKESTORE} = \frac{1000}{2000} = \frac{1}{2}$$

$$\text{P. of PEACE} = \frac{600}{2000} = \frac{6}{20} = \frac{3}{10}$$

$$\text{AUBURN BAY} = \frac{400}{2000} = \frac{4}{20} = \frac{1}{5}$$

if SCIENCE FAIR COST \$300

LAKESHORE = \$150 $\frac{1}{2}$ of 300 \rightarrow \$150

P. of PEACE = \$90 $\frac{3}{10}$ of 300 / 30% of 300 $\rightarrow \frac{30}{100} \overset{\times 3}{=} \frac{90}{300} = \90

AUBURN BAY = \$60 $\frac{1}{5}$ of 300 $\rightarrow \frac{1}{5} = \frac{20}{100}$ so... $\frac{20}{100} \overset{\times 3}{=} \frac{60}{300} = \60

$0.3 = 30\% = \frac{3}{10}$

DECIMALS, PERCENTS & FRACTIONS CAN BE USED TO REPRESENT / COMPARE THE SAME VALUE if diff. WAYS.