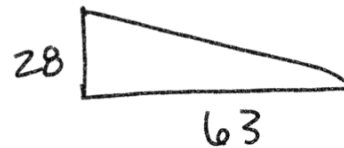
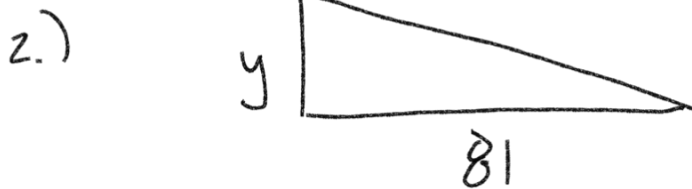


Bigⁿ Lilⁿ

$$\frac{\text{Base}}{\text{Height}} = \frac{x}{30} \neq \frac{17}{12}$$

$$\frac{12x}{12} = \frac{510}{12}$$

$$x = 42.5$$



$$\frac{\text{Base}}{\text{Height}} = \frac{81}{y} \neq \frac{63}{28}$$

$$(81)(28) = 63y$$

$$\frac{2268}{63} = \frac{63y}{63}$$

$$y = 36$$

Nate's end of the year celebration got weird...

Injury	Number of Students
broken bone	12
head injuries	16
mental distress	38
emotional trauma	10
stuffy nose	24
Total	100

a) P(mental distress)

$$\frac{38 \div 2}{100 \div 2} = \frac{19}{50}$$

b) P(emotional trauma or stuffy nose)

$$\frac{10 + 24}{100} = \frac{34}{100} = \frac{17}{50}$$

c) P(not a head injury)

$$\frac{100 - 16}{100} = \frac{84}{100} \div 4 = \frac{21}{25}$$

d) P(had a good time)

$$0$$

$$\frac{7}{10}$$

fraction \rightarrow percent

per. cent
for every 100

$$\frac{7}{10} \neq \frac{X}{100}$$

$$7(100) = 10X$$

$$\frac{700}{10} = \frac{10X}{10}$$

$$\boxed{70\% = X}$$

$$\frac{17}{25} \neq \frac{X}{100}$$

$$17(100) = 25X$$

$$\frac{1700}{25} = \frac{25X}{25}$$

$$\frac{100}{17 \times 4 = 68}$$

$$\boxed{68\% = X}$$

Convert from a fraction to a percent.

$$\frac{3}{5} = 0.6 = \boxed{60\%}$$

$$\frac{5}{8} = 0.625 = \boxed{62.5\%}$$

$$\rightarrow \frac{3}{5}$$

$$5 \overline{) 3}$$

$$\begin{array}{r} 5 \overline{) 3.0} \\ \underline{-30} \\ 0 \end{array}$$

$$\frac{3}{5} \neq \frac{X}{100}$$

$$3(100) = 5X$$

$$\frac{300}{5} = \frac{5X}{5}$$

$$\boxed{X = 60}$$

$$\begin{array}{r} 0.625 \\ 8 \overline{) 5.000} \\ \underline{-48} \\ 20 \\ \underline{-16} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

$$\frac{5}{8} \neq \frac{X}{100}$$

$$\frac{500}{8} = \frac{8X}{8}$$

$$\boxed{62.5 = X}$$

What percent of 75 is 60

↓ ↓ ↓ ↓

↓ %

X * 75 = 60

$$X = \frac{60}{75} = 0.8$$

$$\frac{75X}{75} = \frac{60}{75}$$
$$0.8 * 100 = \boxed{80\%}$$

what percent of 75 is 60

↓ ↓ ↓ ↓

* 75 = 60

$\frac{X}{100}$

$$\frac{100}{75} \left(\frac{75X}{100} \right) = (60) \left(\frac{100}{75} \right)$$

$$X = \frac{6000}{75} = \boxed{80\%}$$

What percent of 50 is 60?

$$\frac{X}{100} * \frac{50}{1} = 60$$

$$\frac{50X}{100 \div 50} = 60$$

$$X = 120$$

$$2 \left(\frac{X}{2} \right) = (60)2$$

70% of 20 is what number?

$$\left[0.7 \text{ or } \frac{70}{100} \right]$$

$$0.7 * 20 = X$$

$$14 = X$$

30% of 360 is what number?

$$\begin{array}{ccccccc} 30\% & \text{of} & 360 & \text{is} & \text{what number?} \\ \downarrow & \downarrow & \downarrow & \downarrow & \underbrace{\hspace{2cm}} \\ 0.3 & * & 360 & = & X \end{array}$$

$$\boxed{108 = X}$$