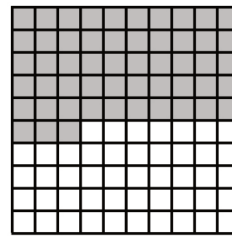


8.0 Percents Review

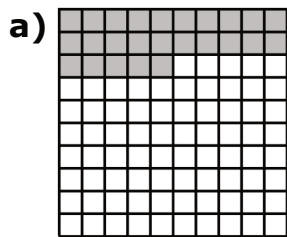
Percent means out of 100.

A percent can be represented by shading on a hundred grid.

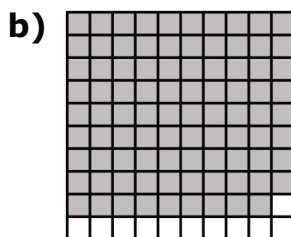
This grid represents 53%.



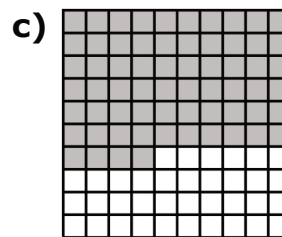
What percent is shown on each grid?



25%



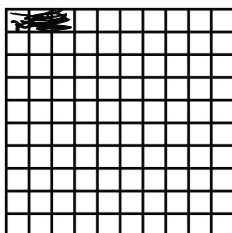
89%



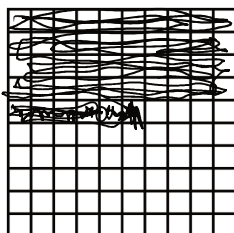
64%

Shade hundred grids to represent each percent.

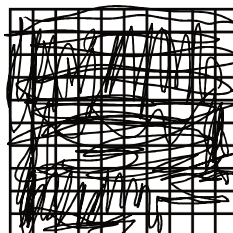
a) 3%



b) 46%

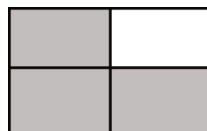


c) 97%



Fractions, Decimals, and Percents

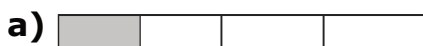
This diagram represents $\frac{3}{4}$. $3 \div 4$



This fraction is 0.75 or 75% of the square.

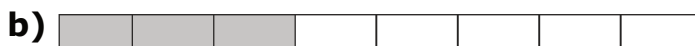
To change a decimal to a percent, multiply by 100 and add a percent symbol.

Show each diagram as a fraction, a decimal, and a percent.



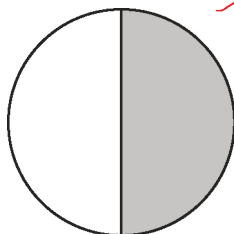
$$\frac{1}{4} = 0.25 = 25\%$$

$$\frac{25}{100}$$



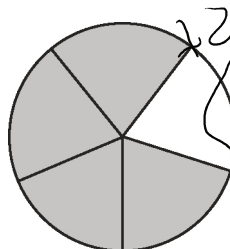
$$\frac{3}{8} = 0.375 = 37.5\%$$

c)



$$\frac{1}{2} = 0.5 = 50\%$$

d)



$$\frac{4}{5} = 0.8 = 80\%$$

$$\frac{8}{100} = 0.08$$

$$0.8 = 80\%$$

Express 45% as a reduced fraction.

$$\frac{45}{100} = \frac{9}{20}$$

Estimate 48% of 104. Then determine the actual value.

50% of 100

est. $\frac{50}{100}$

$$\frac{48}{100} = \frac{12}{25}$$

$$0.48 (104) = 49.92$$

$$\frac{48(104)}{100} = 49.92$$

21% of a number is 1.47. Estimate the number. Determine the actual number.

20%

$$\frac{20}{100} = \frac{1}{5}$$

$$5(1.5) = 7.5$$

$$\frac{21}{100} = 1.47$$

$$100 \overline{) 1.47}$$

$$= 7$$