Converting Percentages Practice

Name: _____ Date: _____

Question 1

Convert the percentages to decimal notation

I. 23%

II. 45%

III. 93%

IV. -0.21%

V. 0.0034%

VI. $\frac{11}{4}$ %

VII. $\frac{6}{24}$ %

VIII. 102%

IX. -98.5%

X. $88\frac{1}{4}$ %

XI. 64.39%

XII. 35%

XIII. -4.25%

XIV. $\frac{500}{5}$ %

XV. 100%

Converting Percentages Practice

Question 2

Convert the fractions and mixed numerals into percentages

I. $\frac{45}{4}$

II. $1\ \frac{1}{4}$

III. $\frac{-9}{6}$

IV. $\frac{94}{100}$

V. $\frac{30}{50}$

VI. $\frac{3}{6}$

VII. $\frac{-6}{24}$

VIII. $1\ \frac{1}{8}$

IX. $\frac{3}{5}$

X. $\frac{44}{110}$

Converting Percentages Practice

Question 3

Make a pie chart corresponding to the percentage

I. 75%

II. 90%

III. 30%

Converting Percentages Practice

Name: **Key** Date: _____

Question 1

Convert the percentages to decimal notation

I. 23%

$\frac{23\%}{100\%} = 0.23$

II. 45%

$\frac{45\%}{100\%} = 0.45$

III. 93%

$\frac{93\%}{100\%} = 0.93$

IV. -0.21%

$\frac{-0.21\%}{100\%} = -0.0021$

V. 0.0034%

$\frac{0.0034\%}{100\%} = 0.000034$

VI. $\frac{11}{4}\%$

$\frac{2.75\%}{100\%} = 0.0275$

VII. $\frac{6}{24}\%$

$\frac{0.25\%}{100\%} = 0.0025$

VIII. 102%

$\frac{102\%}{100\%} = 1.02$

IX. -98.5%

$\frac{-98.5\%}{100\%} = -0.985$

X. $88\frac{1}{4}\%$

$\downarrow$

$\frac{353}{4}\%$

$\frac{88.25\%}{100\%} = 0.8825$

XI. 64.39%

$\frac{64.39\%}{100\%} = 0.6439$

XII. 35%

$\frac{35\%}{100\%} = 0.35$

XIII. -4.25%

$\frac{-4.25\%}{100\%} = -0.0425$

XIV. $\frac{500}{5}\%$

$\frac{100\%}{100\%} = 1.00$

XV. 100%

$\frac{100\%}{100\%} = 1.00$

Converting Percentages Practice

Question 2

Convert the fractions and mixed numerals into percentages

I. $\frac{45}{4}$

$$11.25 \cdot 100\% = 1{,}125\%$$

$$\begin{array}{r|l} 4 & 45.00 \\ -4\downarrow & 11.25 \\ \hline 05 & \\ -4 & \\ \hline 10 & \\ -8 & \\ \hline 20 & \\ -20 & \\ \hline 0 & \end{array}$$

II. $1\frac{1}{4} \rightarrow \frac{5}{4}$

$$1.25 \cdot 100\% = 125\%$$

$$\begin{array}{r|l} 4 & 5.00 \\ -4\downarrow & 1.25 \\ \hline 10 & \\ -8 & \\ \hline 20 & \\ -20 & \\ \hline 0 & \end{array}$$

III. $\frac{-9}{6}$

$$-1.5 \cdot 100\% = -150\%$$

$$\begin{array}{r|l} 6 & 9.0 \\ -6\downarrow & 1.5 \\ \hline 30 & \\ -30 & \\ \hline 0 & \end{array}$$

IV. $\frac{94}{100}$

$$0.94 \cdot 100\% = 94\%$$

$$\begin{array}{r|l} 100 & 94.00 \\ -900\downarrow & 00.94 \\ \hline 400 & \\ -400 & \\ \hline 0 & \end{array}$$

V. $\frac{30}{50}$

$$0.60 \cdot 100\% = 60\%$$

$$\begin{array}{r|l} 50 & 30.00 \\ -300\downarrow & 00.60 \\ \hline 00 & \\ -0 & \\ \hline 0 & \end{array}$$

VI. $\frac{3}{6}$

$$0.5 \cdot 100\% = 50\%$$

$$\begin{array}{r|l} 6 & 3.0 \\ -30 & 0.5 \\ \hline 0 & \end{array}$$

VII. $\frac{-6}{24}$

$$-0.25 \cdot 100\% = -25\%$$

$$\begin{array}{r|l} 24 & 6.00 \\ -48\downarrow & 0.25 \\ \hline 120 & \\ -120 & \\ \hline 0 & \end{array}$$

VIII. $1\frac{1}{8} \rightarrow \frac{9}{8}$

$$1.125 \cdot 100\% = 112.5\%$$

$$\begin{array}{r|l} 8 & 9.000 \\ -8\downarrow & 1.125 \\ \hline 10 & \\ -8 & \\ \hline 20 & \\ -16 & \\ \hline 40 & \\ -40 & \\ \hline 0 & \end{array}$$

IX. $\frac{3}{5}$

$$0.6 \cdot 100\% = 60\%$$

$$\begin{array}{r|l} 5 & 3.0 \\ -30 & 0.6 \\ \hline 0 & \end{array}$$

X. $\frac{44}{110}$

$$0.4 \cdot 100\% = 40\%$$

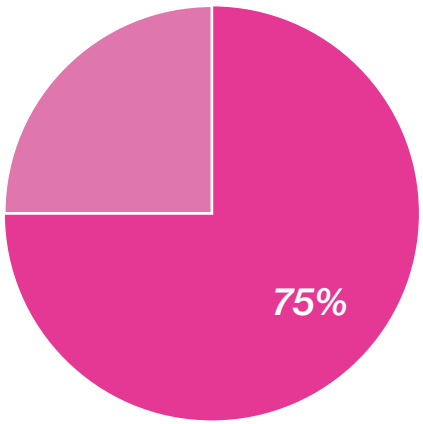
$$\begin{array}{r|l} 110 & 44.0 \\ -440 & 00.4 \\ \hline 0 & \end{array}$$

Converting Percentages Practice

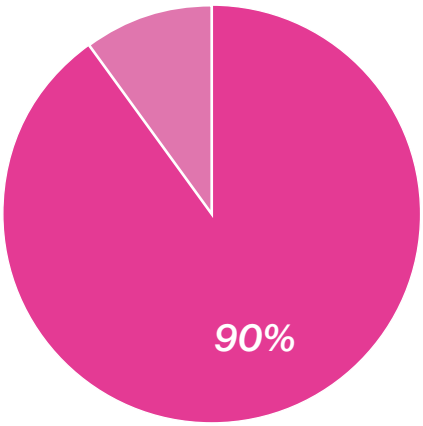
Question 3

Make a pie chart corresponding to the percentage

I. 75%



II. 90%



III. 30%