

Converting Percentages Practice

Name: _____

Date: _____

Question 1

Convert the percentages to decimal notation

I. 23%

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

XI. 64.39%

II. 45%

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

XII. 35%

III. 93%

VIII. 102%

XIII. $-(4\frac{3}{12})\%$

IV. -0.21%

IX. $-(98\frac{1}{2})\%$

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

V. 0.0034%

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

XV. 100%

Converting Percentages Practice

Question 2

Convert the fractions and mixed numerals into percentages

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

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

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

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

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

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

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

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

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

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%

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

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

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

$$\begin{array}{r} 0.275 \\ 4 \overline{) 11.00} \\ \underline{-8} \\ 30 \\ \underline{-28} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

XI. 64.39%

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

II. 45%

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

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

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

$$\begin{array}{r} 0.25 \\ 24 \overline{) 6.00} \\ \underline{-48} \\ 120 \\ \underline{-120} \\ 0 \end{array}$$

XII. 35%

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

III. 93%

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

VIII. 102%

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

XIII. $-(4\frac{3}{12})\%$

$$\downarrow$$

$$\frac{-17}{4}\%$$

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

$$\begin{array}{r} 0.425 \\ 4 \overline{) 17.00} \\ \underline{-16} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

IV. -0.21%

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

IX. $-(98\frac{1}{2})\%$

$$\downarrow$$

$$\frac{-197}{2}\%$$

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

$$\begin{array}{r} 0.985 \\ 2 \overline{) 197.0} \\ \underline{-18} \\ 17 \\ \underline{-16} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

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

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

$$\begin{array}{r} 100. \\ 5 \overline{) 500.} \\ \underline{-5} \\ 00 \\ \underline{-0} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

V. 0.0034%

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

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

$$\downarrow$$

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

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

$$\begin{array}{r} 0.8825 \\ 4 \overline{) 353.00} \\ \underline{-32} \\ 33 \\ \underline{-32} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

XV. 100%

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

Converting Percentages Practice

Question 2

Convert the fractions and mixed numerals into percentages

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

$$\begin{array}{r}
 11.25 \\
 4 \overline{) 45.00} \\
 \underline{-4} \\
 05 \\
 \underline{-4} \\
 10 \\
 \underline{-8} \\
 20 \\
 \underline{-20} \\
 0
 \end{array}$$

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

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

$$\begin{array}{r}
 1.25 \\
 4 \overline{) 5.00} \\
 \underline{-4} \\
 10 \\
 \underline{-8} \\
 20 \\
 \underline{-20} \\
 0
 \end{array}$$

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

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

$$\begin{array}{r}
 1.5 \\
 6 \overline{) 9.0} \\
 \underline{-6} \\
 30 \\
 \underline{-30} \\
 0
 \end{array}$$

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

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

$$\begin{array}{r}
 00.94 \\
 100 \overline{) 94.00} \\
 \underline{-90} \\
 400 \\
 \underline{-400} \\
 0
 \end{array}$$

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

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

$$\begin{array}{r}
 00.60 \\
 50 \overline{) 30.00} \\
 \underline{-30} \\
 00 \\
 \underline{-0} \\
 0
 \end{array}$$

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

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

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

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

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

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

$$\begin{array}{r}
 1.125 \\
 8 \overline{) 9.000} \\
 \underline{-8} \\
 10 \\
 \underline{-8} \\
 20 \\
 \underline{-16} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

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

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

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

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

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

$$\begin{array}{r}
 0.5 \\
 6 \overline{) 3.0} \\
 \underline{-30} \\
 0
 \end{array}$$

$$\begin{array}{r}
 0.25 \\
 24 \overline{) 6.00} \\
 \underline{-48} \\
 120 \\
 \underline{-120} \\
 0
 \end{array}$$

$$\begin{array}{r}
 1.125 \\
 8 \overline{) 9.000} \\
 \underline{-8} \\
 10 \\
 \underline{-8} \\
 20 \\
 \underline{-16} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

$$\begin{array}{r}
 0.6 \\
 5 \overline{) 3.0} \\
 \underline{-30} \\
 0
 \end{array}$$

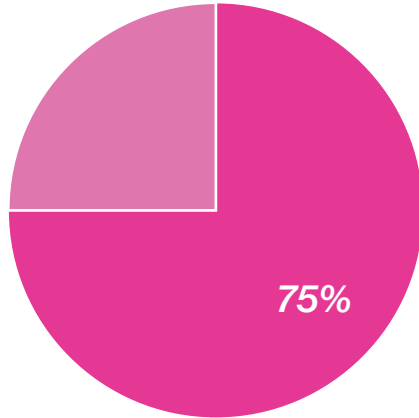
$$\begin{array}{r}
 00.4 \\
 110 \overline{) 44.0} \\
 \underline{-440} \\
 0
 \end{array}$$

Converting Percentages Practice

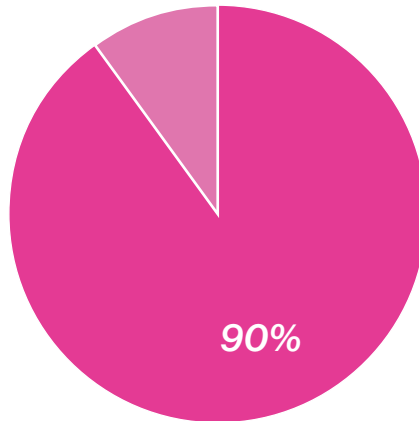
Question 3

Make a pie chart corresponding to the percentage

I. 75%



II. 90%



III. 30%

