

6.2

$$\frac{is}{of} = \frac{\%}{100}$$

$$\textcircled{1} \quad \frac{48}{X} = \frac{60}{100}$$

$\frac{60X}{60}$	$\neq$	$\frac{4800}{60}$
$X$	$\neq$	$80$

$$\textcircled{2} \quad \frac{X}{85} = \frac{175}{100}$$

$\frac{100X}{100}$	$\neq$	$\frac{14875}{100}$
$X$	$\neq$	$148.75$

$$\textcircled{3} \quad \frac{50}{90} = \frac{X}{100}$$

$\frac{5000}{90}$	$\neq$	$\frac{90X}{90}$
$55.6\%$	$\neq$	$X$

$$\textcircled{4} \quad \frac{76}{X} = \frac{80}{100}$$

$\frac{80X}{80}$	$\neq$	$\frac{7600}{80}$
$X$	$\neq$	$95$

$$\textcircled{5} \quad \frac{X}{42.88} = \frac{50}{100}$$

$\frac{100X}{100}$	$\neq$	$\frac{2144}{100}$
$X$	$\neq$	$21.44$

$$\textcircled{6} \quad \frac{96}{X} = \frac{160}{100}$$

$\frac{160X}{160}$	$\neq$	$\frac{9600}{160}$
$X$	$\neq$	$60$

$$\textcircled{7} \quad \frac{72}{24} = \frac{X}{100}$$

$\frac{24X}{24}$	$\neq$	$\frac{7200}{24}$
$X$	$\neq$	$300\%$

$$\textcircled{8} \quad \frac{X}{120} = \frac{85}{100}$$

$\frac{100X}{100}$	$\neq$	$\frac{10200}{100}$
$X$	$\neq$	$102$

$$\textcircled{9} \quad \frac{X}{12} = \frac{80}{100}$$

$\frac{960}{100}$	$\neq$	$\frac{100X}{100}$
$9.6$	$\neq$	$X$

$$\textcircled{10} \quad \frac{56}{X} = \frac{75}{100}$$

$\frac{75X}{75}$	$\neq$	$\frac{5600}{75}$
$X$	$\neq$	$74.7$

$$\textcircled{11} \quad \frac{120}{X} = \frac{75}{100}$$

$\frac{75X}{75}$	$\neq$	$\frac{12000}{75}$
$X$	$\neq$	$160$

$$\textcircled{12} \quad \frac{X}{875} = \frac{64}{100}$$

$\frac{56000}{100}$	$\neq$	$\frac{100X}{100}$
$560$	$\neq$	$X$

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$$\frac{160}{X} = \frac{125}{100}$$

$$\begin{array}{r|l} \frac{125X}{125} & \frac{16000}{125} \\ \hline X & = 128 \end{array}$$

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$$\frac{714}{1295} = \frac{X}{100}$$

$$\begin{array}{r|l} \frac{71400}{1295} & \frac{1295X}{1295} \\ \hline 55.1\% & = X \end{array}$$

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