

Ex. 13 (A).

1. Express each of the following as a percentage.

Target.

$$a. \frac{37}{100} = 37.0$$

$$b. \frac{18}{100} = 18.0$$

$$c. \frac{3}{100} = 3.0$$

$$d. \frac{85}{100} = 85.0$$

$$(e) \frac{29}{100} = 29.0$$

2. Express each of the following as a fraction with 100 as the denominator.

(a) 41% (b) 56% (c) 82%

$$\frac{41}{100} \qquad \frac{56}{100} \qquad \frac{82}{100}$$

(d) 89% (e) 93%

$$\frac{89}{100} \qquad \frac{93}{100}$$

3. Express each of the following fractions as a percentage.

(a) $\frac{1}{4} = 25\%$

(b) $\frac{9}{10} = 90\%$

(c) $\frac{17}{20} = 85\%$

(d) $\frac{41}{2} = 950\%$

(e) $\frac{17}{10} = 170\%$

4. Express each of the following as a fraction

in its lowest term.

$$(a) \quad 38\% \rightarrow \frac{19}{50}$$

$$(b) \quad 47\% \rightarrow \frac{47}{100}$$

$$(c) \quad 78\% \rightarrow \frac{39}{50}$$

$$(d) \quad 82\% \rightarrow \frac{41}{50}$$

$$(e) \quad 87\frac{1}{3}\% \rightarrow \frac{101}{150}$$

$$(f) \quad 112\frac{1}{2}\% \rightarrow 1\frac{1}{8}$$

$$(g) \quad 18\frac{2}{3}\% \rightarrow \frac{1}{8}$$

$$(h) \quad 1\frac{1}{2}\% \rightarrow \frac{3}{200}$$

5. Express each of the following

as a decimal fraction.

$$(a) \quad 13\% = \underline{0.13}$$

(b) $24\% = 0.24$

(c) $69\% = 0.69$

(d) $81\% = 0.81$

(e) $105\% = 1.05$

(f) ~~112%~~ $250\% =$

(g) $6.25\% =$

(h) $10.02\% =$

8. Express each of the following decimal fractions into percentage.

(a) $0.58 = 58\%$

(b) $0.483 = 48.3\%$

(c) $2.78 = 278\%$

(d) 9.243 - 924.3%

(e) 8.025 - 802.5%

(f) 3.08 - 308%

(g) 4.20 - 420%

(h) 8.75 - 875%

7. Which of the following is equivalent to 5%?

(a) 0.5 - 0.05

(b) 0.05 - ~~0.15~~

(c) 5 - ~~0.5~~

(d) 0.005 ~~5~~

8. Which of the following is equivalent to 12.5%?

(a) $1.25 - 0.125$

(b) $0.0125 - 0.125$

(c) $1.25 - 0.125$

(d) $0.125 - 0.125$

9. Which of the following is equivalent to 7.5?

(a) 75% - 750%

(b) 750%

(c) 0.75%

(d) 7.5%

10. Which of the following is equivalent to 0.08?

6-29

(a) 0.8%

(b) 0.08%

(c) 0.8%

(d) 0.08%

(e) 0.8%