

Hw
18-7-21

Ex 13 (A)



1. Express each of the following percentage.

c. $\frac{3}{100} = 0.03$

d. $\frac{85}{100} = 0.85$

e. $\frac{29}{100} = 0.29$

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

c. $62\% = \frac{62}{100}$

d. $69\% = \frac{69}{100}$

e. $93\% = \frac{93}{100}$

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

$$c. \frac{17}{20} = \frac{17}{20} \times 100^5 = 85\%$$

$$d. 4\frac{1}{2} = \frac{9}{2} = \frac{9}{2} \times 100^{50} = 450\%$$

$$e. \frac{17}{10} = \frac{17}{10} \times 100 = 170\%$$

4. Express the following as fraction in its lowest term.

$$c. 78\% = \frac{78}{100} = \frac{39}{50}$$

$$d. 82\% = \frac{82}{100} = \frac{41}{50}$$

$$e. 67\frac{1}{3}\% = \frac{101}{3} \times \frac{1}{100} = \frac{101}{300}$$

$$f. 112\frac{1}{2} \% = \frac{459}{2} \times \frac{1}{100} = \frac{9}{8}$$

$$g. 16\frac{2}{3} \% = \frac{50}{3} \times \frac{1}{100} = \frac{1}{6}$$

$$h. 1\frac{1}{2} \% = \frac{3}{2} \times \frac{1}{100} = \frac{3}{200}$$

5. Express each of the following as a decimal fraction.

$$c. 69\% = \frac{69}{100} = 0.69$$

$$d. 81\% = \frac{81}{100} = 0.81$$

$$e. 105\% = \frac{105}{100} = 1.05$$

$$f. 250\% = \frac{250}{100} = 2.50$$

$$g. 6.25\% = \frac{625\%}{100}$$

$$= \frac{625}{100} \div 100$$

$$= \frac{625}{100} \times \frac{1}{100}$$

$$= \frac{625}{10000} = 0.0625$$

$$h. 10.02\% = 1002\%$$

$$= \frac{1002}{100} \div 100$$

$$= \frac{1002}{100} \times \frac{1}{100}$$

$$= \frac{1002}{10000} = 0.1002$$

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

c. $2.76 = 276 \times 100 = 276\%$

d. $9.243 = 9243 \times 100 = 924.3\%$

e. $6.025 = 6025 \times 100 = 602.5\%$

f. $3.96 = 396 \times 100 = 396\%$

g. $4.20 = 420 \times 100 = 420\%$

h. $8.75 = 875 \times 100 = 875\%$

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