

19/2/2022

Q1 Express each of the following statements in percentage form:

(i) 13 out of 20

Ans $\frac{13}{20} \times 100 = 65\%$

(ii) 21 eggs out of 30 are good

Ans $\frac{21}{30} \times 100 = 70\%$

2 Express the following fractions as percent:

(i) $\frac{3}{200}$

Ans $\frac{3}{200} \times 100 = 1.5\%$

(ii) $\frac{5}{6}$

Ans $\frac{5}{6} \times 100 = \frac{250}{3} = 83\frac{1}{3}\%$

(iii) $\frac{65}{80}$

Ans $\frac{65}{80} \times 100 = \frac{325}{4} = 81\frac{1}{4}\%$

Q(3) Express as percent:

(i) 0.10

$$\text{Ans } \frac{0.10 \times 100}{100} = 10\%$$

Ans 10%

(ii) 0.02

$$\text{Ans } \frac{0.02 \times 100}{100} = 2\%$$

(iii) 0.7

$$\text{Ans } 0.7 = \frac{7}{10} \times 100 = 70\%$$

(iv) 0.15

$$\text{Ans } \frac{0.15 \times 100}{100} = 15\%$$

(v) 0.032

$$\text{Ans } \frac{0.032 \times 100}{1000} = 3.2$$

4. Convert into fractions in their lowest terms:

(i) 8%

Ans $\frac{8}{100} = \frac{2}{25}$

(ii) 20%

$\frac{20}{100} = \frac{1}{5}$

(iii) 85%

Ans $\frac{85}{100} = \frac{17}{20}$

(iv) 250%

Ans $\frac{250}{100} = \frac{5}{2}$

(5) Express as decimal fractions:

(i) 25%

Ans $\frac{25}{100} = 0.25$

(ii) 108%

Ans $\frac{108}{100} = 1.08$

(iii) 95%

Ans $\frac{95}{100} = 0.95$

(iv) ~~4.5%~~ ~~4.5%~~

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

(v) 29.2%

Ans $\frac{29.2}{100} = 0.292$

6 Express each of the following numbers as percent:

(i) 7

Ans $7 \times 100 = 700\%$

(ii) 2

Ans $2 \times 100 = 200$

(iii) 19.5

Ans $19.5 \times 100 = 1950\%$

(iv) 5.37

$$\text{Ans } 5.37 \times 100$$

$$\text{Ans } 537.0\%$$