PERCENTAGE

Ex - 16 (A)

1. Express each of the following statements in percentage form:

i) 13 out of 20 $= \frac{13 \times 5}{20 \times 5} = \frac{65}{100} = 65\%$

ii) 21 eggs out of 30 are good $= \frac{21}{30} \times 100 = 70\%$.

2. Express the following fractions as percent:

i) $\frac{3}{200} \times 100 = 1.5\%$.

ii) $\frac{5}{3} \times 100 = \frac{250}{3} = 83\frac{1}{3}\%$

iii) $\frac{65}{80} \times 100 = \frac{325}{4} = 81.25\%$.

iv) $\frac{2}{3} \times 100 = \frac{200}{3} = 66\frac{2}{3}\%$

3) Express as percent:

i) $0.10 = \frac{10}{100} = 10\%$

ii) $0.02 = \frac{2}{100} = 2\%$.

iii) $0.7 = \frac{7 \times 10}{10 \times 10} = \frac{70}{100} = 70\%$

iv) $0.15 = \frac{15}{100} = 15\%$.

v) $0.032 = \frac{32}{1000} \times 100 = 3.2\%$.

4. Convert into fractions in their lowest terms:

i) $8\% = \frac{8}{100} = \frac{4}{5}$

ii) $20\% = \frac{20}{100} = \frac{1}{5}$

iii) $85\% = \frac{85}{100} = \frac{17}{20}$

iv) $250\% = \frac{250}{100} = \frac{5}{2}$

v) $12\frac{1}{2}\% = \frac{25}{2}$

5. Express as decimal fractions:

i) $25\% = \frac{25}{100} = 0.25$

ii) $108\% = \frac{108}{100} = 1.08$

iii) $95\% = \frac{95}{100} = 0.95$

iv) $4.5\% = \frac{4.5}{100} = 0.045$

v) $29.2\% = \frac{29.2}{100} = 0.292$.

6. Express each of the following number as percent:

i) $7 = 7 \times 100 = 700\%$.

ii) $2 = 2 \times 100 = 200\%$

iii) $19.5\% = \frac{19.5}{100} \times 100 = 1950$

iv) $5.37 = 5.37 \times 100 = 537\%$

Ex - 16(m)

1. Express: