H.W

RANKA
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Exercise-16A

① (i) 13 out of 20

$\frac{13}{\cancel{20}_{1}} \times \frac{\cancel{100}}{5} = 65\%$

(ii) 21 eggs out of 30 are good

$\frac{21}{30} \times 100 = \frac{210}{3} = 70\%$ eggs are good

② (i) $\frac{3}{\cancel{200}_{2}} \times \cancel{100}^{1}\% = \frac{3}{2} = 1.5\%$

(ii) $\frac{5}{\cancel{6}_{3}} \times \frac{\cancel{100}}{50} = \frac{250}{3} = 83\frac{1}{3}\%$

(iii) $\frac{65}{\cancel{80}_{\cancel{40}_{\cancel{20}_{4}}}} \times \frac{\cancel{100}^{\cancel{50}^{\cancel{25}^{5}}}}{} = \frac{325}{4} = 81\frac{1}{4}\%$

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

③ (i) $0.10 = 0.10 \times 100\% = 10\%$

(ii) $0.02 = 0.02 \times 100\% = 2\%$

(iii) $0.7 = 0.7 \times 100\% =$

(iv) $0.15 = 0.15 \times 100\% =$

(v) $0.032 = 0.032 \times 100\% =$

4. (i) 8%

$= \frac{8}{100} = \frac{4}{50} = \frac{2}{25}$.

(ii) 20%

$= \frac{20}{100} = \frac{4}{20} = \frac{2}{10} = \frac{1}{5}$.

(iii) 85%

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

(iv) 250%

$= \frac{250}{100} = \frac{5q}{2q} = \frac{5}{2} = 2.5$

100

(iii) 250%

$= \frac{250}{100} = \frac{50}{20} = \frac{5}{2} = 2.5$

(v) $12\frac{1}{2}\% = \frac{25}{2} \times \frac{50}{100} = \frac{25}{2} \times \frac{1}{100} = \frac{25}{200} = \frac{1}{8}$

~~5.25%~~

$= \frac{25}{100} = \frac{5}{20} = \frac{1}{4}$

5.i) 25 %

$25 \times 100 = 0.25$

(ii) 108·/.

$108 \times 100 = 1.08$

(iii) 95 ·/.

$95 \times 100 = 0.95$

(iv) 4·5·/.

$4.5 \times 100 = \frac{45}{100} \times \frac{1}{100} = \frac{45}{200} = \frac{9}{40}$

(iv) 4·5·/.

$4.5 \times 100 = 0.045 \cdot \frac{45}{100} \times \frac{1}{100} = \frac{45}{1000} = 0.045 \cdot$

(v) 29·2·/.

$29.2 \times 100 = 2.92 \cdot 0.292 = \frac{292}{10} \times \frac{1}{100} = \frac{292}{1000}$ 0·292

~~6. (i) $7 \times 1 = 7$~~

6. (i) 7

$= 7 \times 100 =$ 700·/.

(ii) 2

$= 2 \times 100 = 200 \cdot /.$

(iii) 19·5

$= 19.5 \times 100 = 1950$ ·/.

(iv) 5.37

$5.37 \times 100 = 537$ ·/.