

HW
16.11.2021

1. (a) 37%

(b) 18%

(c) 31%

(d) 85%

(e) 29%

2. (a) $\frac{41}{100}$

(b) $\frac{56}{100}$

(c) $\frac{12}{100}$

(d) $\frac{69}{100}$

(e) $\frac{93}{100}$

3. (a) $\frac{25}{100} = 25\%$

(b) $\frac{9}{10} = \frac{90}{100} = 90\%$

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

(d) $4\frac{1}{2} = \frac{9}{2} = \frac{450}{100} = 450\%$

(e) $\frac{170}{100} = 170\%$

(f) $\frac{19}{50}$

(b) $\frac{40}{100}$

(c) $\frac{39}{50}$

(d) $\frac{44}{50}$

(e) $67\frac{1}{3} = \frac{200 \cdot 0.02}{200 \cdot 1.50} = \frac{102}{150}$

~~(f) $\frac{1}{2}$~~

~~(f) $112\frac{1}{2} = \frac{225}{2} = \frac{2250}{20} = \frac{225}{2} = 112.5\%$~~

~~(f) $112\frac{1}{2} = \frac{225}{2} = \frac{1125}{10} = \frac{1125}{1000} = 112.5\%$~~

(f) $112\frac{1}{2} = 112.5\% = \frac{112.5}{100} = \frac{225}{1000} = 2\frac{1}{8}$

(g) $16\frac{2}{3} = \frac{50}{3} = \frac{50}{300} = \frac{2}{3}$

$$(b) \frac{1.5}{2} \% = 1.5 \cdot \frac{1}{2} \cdot \frac{2.5}{100} = \frac{1.5}{200} = \frac{3}{400}$$

$$5. (a) 13\% = \frac{13}{100} = 0.13$$

$$(b) 24\% = \frac{24}{100} = 0.24$$

$$(c) 69\% = \frac{69}{100} = 0.69$$

$$(d) 81\% = \frac{81}{100} = 0.81$$

$$(e) 105\% = \frac{105}{100} = 1.05$$

$$(f) 250\% = \frac{250}{100} = 2.5$$

$$(g) 6.25\% = \frac{6.25}{100} = 0.0625$$

$$(h) 10.02 = \frac{10.02}{100} = 0.1002$$

$$6. (a) 58 = \frac{58}{100} = 58\%$$

$$(b) 0.483 = \frac{48.3}{100} = \frac{483}{1000} = 48.3\%$$

$$(c) 2.76 = \frac{276}{100} = 276\%$$

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$$(d) 9.243 = \frac{9243}{1000} = \frac{924}{100} = 924\%$$

$$(e) 6.025 = \frac{6025}{1000} = \frac{602.5}{100} = 602.5\%$$

$$(f) 3.96 = \frac{396}{100} = 396\%$$

$$(g) 4.20 = \frac{42}{10} = \frac{420}{100} = 420\%$$

$$(h) 8.75 = \frac{875}{100} = 875\%$$

$$7 (a) 0.5\%$$

$$8 (b) 750\%$$

$$9 (c) 1.25\%$$

$$10 (d) 608\%$$

Ex - BCB)

$$1. (a) \frac{25}{100} \times \frac{700}{1} = 175$$

$$\frac{25}{100} = \frac{7}{20} \times \frac{35}{1} = 245$$

$$(b) \frac{19}{100} \times \frac{600}{1} = 114$$

$$(c) \frac{21}{100} \times \frac{1800}{1} = 378$$

$$(d) 16\frac{2}{3}\% = \frac{50}{31} \times \frac{1000}{1} = 50,000 p$$

$$(e) = 5000$$

$$(e) \frac{24}{100} \times \frac{100}{1} = \frac{48}{5} = 9\frac{3}{5}$$

$$(f) \frac{45}{100} \times \frac{900}{1} = \frac{45}{20} \times \frac{45}{1} = 405$$

$$(g) \frac{40}{100} \times \frac{240}{1} = \frac{4}{5} \times \frac{240}{1} = 96$$

$$(h) 37\frac{1}{2} = \frac{75}{2} \times \frac{140}{1} = 5250 g = 52.5 kg$$

$$(i) \frac{140}{100} \times \frac{1500}{1} = 2100$$

$$2. (a) 2100 p$$

$$10, \frac{100}{20} \times \frac{100^3}{1000} = 15 \%$$

$$(b) \frac{20}{100} \times \frac{100^2}{5} = \frac{2}{5} \times 100 = \frac{200}{5} = 20 \%$$

$$(c) 2 \text{ m} = 100 \text{ cm}$$

$$50, \frac{5}{100} \times \frac{100^3}{50} = \frac{3}{50} \times \frac{100^2}{1} = 60 \%$$

$$(d) 2 \text{ m} = 200 \text{ cm}$$

$$10, \frac{5}{200} \times \frac{100^2}{1} = 5 \%$$

$$(e) \frac{12}{500} \times \frac{100^2}{5} = \frac{12}{5} \times \frac{2}{5} = 2.4 \%$$

$$(f) \text{ ~~1000 m}~~$$

$$15 \text{ L} = \text{ ~~15000 ml}~~$$

$$\text{ ~~} \frac{1000}{15000} \times \frac{100^2}{3} = \frac{200}{3} \text{ }~~$$

$$\frac{10}{15} \times \frac{100^2}{3} = \frac{200}{3} = 66 \frac{2}{3} \%$$

$$(g) 3.5 \text{ km} = 3,500 \text{ m}$$

$$\frac{350}{3500} \times \frac{100^2}{2} = \frac{1}{10} \times 100 = 10 \%$$

(b) $2 \text{ kg} = 1000 \text{ g}$

$$\therefore \text{No. } \frac{250}{1000} = \frac{250}{1000} = \frac{25}{100} = \frac{25}{4 \times 25} \times 100 = 25\%$$

(i) $\text{₹}4 = 400 \text{ p}$

~~No. $\frac{75}{400} = \frac{75}{80} = \frac{15}{16} = \frac{15}{16} \times 100 = 93.75\%$~~

~~No. $\frac{75}{400} \times 100 = \frac{75}{4} = 18.75\%$~~

(j) $2.5 \text{ m} = 250 \text{ cm}$

$$\therefore \frac{24}{250} = \frac{12}{125} = \frac{12}{25} \times \frac{100}{1} = \frac{240}{25} = 9 \frac{19}{25} = 9 \frac{2}{5} = 9.6\%$$