Percentage

$$\Rightarrow \text{PERCENT} = \text{PER} + \text{CENTURY}$$

$$\text{Percent} = (\%) = \frac{1}{100}$$

1) $25\% = \frac{25}{100} = \boxed{\frac{1}{4}}$

2) $30\% = \frac{30}{100} = \boxed{\frac{3}{10}}$

3) $45\% = \frac{45}{100} = \boxed{\frac{9}{20}}$

4) $120\% = \frac{120}{100} = \boxed{\frac{6}{5}}$

5) $33\frac{1}{3}\% = \frac{100}{3 \times 100} = \boxed{\frac{1}{3}}$

6) $16\frac{2}{3}\% = \frac{50}{3 \times 100} = \boxed{\frac{1}{6}}$

1) $25\% \text{ q } 4500 = ?$

$$\frac{25 \times 4500}{100} = \boxed{1125}$$

2) $12 \% \text{ q } 6500$

$12 \times 65 = 6 \times 130 = \boxed{780}$

3) $28 \% \text{ q } 13000 =$

$28 \times 130 = \boxed{3640}$

4) $40 \% \text{ q } 1750$

$$\frac{40 \times 1750}{100} = \boxed{700}$$

5) $6\frac{2}{3} \% \text{ q } 1200$

$$\frac{20}{3} \times \overset{4}{12} = \boxed{80}$$

6) $25 \times \text{q } 600 + 44 \times \text{q } 500$

$150 + 220 = \boxed{370}$

7) $32 \times \text{q } 1500 - 40 \times \text{q } 750$

$480 - 300 = \boxed{180}$

8) $8 \% \text{ q } 1500 = 450$

$8 \times 15 = 450 \quad | \quad 8 = \frac{450}{15} = \boxed{30}$

9) $37.5\% \text{ of } 640$

$150 \times \cancel{of} 160 = \boxed{240}$

30×8

10) $25\% \text{ of } ? = 124$

$\dfrac{25}{100} \times ? = 124 \quad | \quad ? = 124 \times 4 = \boxed{496}$

11) $12\% \text{ of } \overset{6}{850} + ?\% \text{ of } 320 = 182$

$\left(\dfrac{10200}{100}\right) + \left(\dfrac{? \times 320}{100}\right) = 182$

$\dfrac{? \times 320}{100} = 80 \quad | \quad ? = \dfrac{80 \times 100}{\cancel{320}} = \boxed{25}$

12) $?\% \text{ of } 540 - 25\% \text{ of } 120 = 150$

$\dfrac{? \times 540}{100} - \dfrac{25 \times 120}{100} = 150$

$\Rightarrow \left(? \times \dfrac{54}{10}\right) - \left(\dfrac{3000}{100}\right) = 150 \quad \bigg| \quad \dfrac{? \times 54}{10} = 180$

$? = \dfrac{1800}{54}$

$? = 33\dfrac{1}{3}$

13) $65\% \text{ of } 640 + 40\% \text{ of } ? = 536$

$130 \times \cancel{of} \overset{2}{320} + \dfrac{40}{100} \times ? = 536$

$(416) + \left(\dfrac{4}{10} \times ?\right) = 536$

$\dfrac{4 \times ?}{10} = 120 \quad \bigg| \quad ? = \dfrac{1200}{4} = \boxed{300}$

1) $15\% \text{ of } 120$

$30 \times 60 = 18$

2) $35\% \text{ of } 640$

$70 \times 320 = \boxed{224}$

3) $32\% \text{ of } 350$

$16 \times 700 = \boxed{112}$

4) $44\% \text{ of } 950$

$\overset{3}{2}2 \times 1900 = \boxed{418}$

5) $64\% \text{ of } 1350$

$32 \times 2700 = \boxed{864}$

$5 \xrightarrow{\hspace{1cm}} \times 2$

$25 / 75 \xrightarrow{\hspace{1cm}} \times 4$

6) $25\% \text{ of } 124$

$100 \times 31 = \boxed{31}$

7) $32\% \text{ of } 225$

$8 \times 900 = \boxed{72}$

8) $75\% \text{ of } 964$

$300 \times 241 = \boxed{723}$

1) 45% of 1720

$90 \times 860 = \boxed{774}$

2) 95% of 1320

$190 \times 9660 = \boxed{1254}$

3) 42% of 1450

$21 \times 2900 = \boxed{609}$

4) 84% of 1650

$42 \times 3300 = \boxed{1386}$

5) 7.5% of 1240

$30 \times 310 = 93$

6) 2.5% of 960

$10 \times 240 = 24$

7) 32% of 250

$8 \times 1000 = \boxed{80}$

8) 62.5% of 640

$250 \times 160 = 100 \times 4 = \boxed{400}$

1) $22\frac{2}{9}\%$ q 1890

$\frac{2}{9} \times \overset{210}{\cancel{1890}} = \boxed{420}$

2) $83\frac{1}{3}\%$ q 1260

$\frac{5}{6} \times \overset{210}{\cancel{1260}} = \boxed{1050}$

3) $27\frac{3}{11}\%$ q 264

$\frac{3}{11} \times \overset{24}{\cancel{264}} = \boxed{72}$

4) $66\frac{2}{3}\%$ q 126

$\frac{2}{3} \times \overset{42}{\cancel{126}} = \boxed{84}$

5) $72\frac{8}{11}\%$ q 385

$\frac{8}{11} \times \overset{35}{\cancel{385}} = \boxed{280}$

6) 87.5% q 240

$\frac{7}{8} \times \overset{30}{\cancel{240}} = \boxed{210}$

7) $42\frac{6}{7}\%$ q 1750

$\frac{3}{7} \times \overset{250}{\cancel{1750}} = \boxed{750}$