

FRACTION
to
PERCENTAGE
CONVERSION

Convert $\frac{7}{3}$ in percentage

$$\begin{aligned}\frac{7}{3} &\rightarrow 2 + \frac{1}{3} \\ 200\% &+ 33\frac{1}{3}\%\end{aligned}$$

$233\frac{1}{3}\%$.

Convert $\frac{11}{3}$ in percentage.

$$3 + \frac{2}{3} \quad \frac{1}{3} \rightarrow 33\frac{1}{3}\%$$

$$300\% + 66\frac{2}{3}\%$$

$$366\frac{2}{3}\%$$

Convert $\frac{17}{4}$ in percentage.

$$4 + \frac{1}{4}$$

$$400\% + 25\%$$

$$\rightarrow 425\%$$

Convert $\frac{23}{6}$ in percentage.

$$\frac{1}{6} \rightarrow 16\frac{2}{3}\%$$

\downarrow
 $80 + 3\frac{1}{3}$

$$\frac{5}{6} \rightarrow 83\frac{1}{3}\%$$

$$3 + \frac{5}{6}$$
$$300\% + 83\frac{1}{3}\%$$
$$383\frac{1}{3}\%$$

Convert $\frac{23}{6}$ in percentage.

$$\frac{1}{6} \rightarrow 16\frac{2}{3}\%$$

\downarrow
 $80 + 3\frac{1}{3}$

$$\frac{5}{6} \rightarrow 83\frac{1}{3}\%$$

$$4 - \frac{1}{6}$$

$400\% - 16\frac{2}{3}\%$

$-$

$$383\frac{1}{3}\%$$

Convert $\frac{13}{2}$ in percentage.

$$\frac{13}{2} \rightarrow 6 + \frac{1}{2}$$

$$600\% + 50\%$$

$$650\%$$

Convert $\frac{62}{15}$ in percentage.

$$\begin{aligned}\frac{1}{15} &\rightarrow 6\frac{2}{3}\% \\ 12 &\rightarrow \frac{4}{3} \\ \frac{2}{15} &\rightarrow 13\frac{1}{3}\%\end{aligned}$$

$$\begin{aligned}4 + \frac{2}{15} \\ 400\% + 13\frac{1}{3}\% \\ 413\frac{1}{3}\%\end{aligned}$$

Convert $\frac{37}{4}$ in percentage.

$$9 + \frac{1}{4}$$

$$900\% + 25\%$$

$$925\%$$

Convert $\frac{26}{5}$ in percentage.

$$5 + \frac{1}{5}$$

$$500\% + 20\%$$

$$520\%$$

Convert $\frac{30}{7}$ in percentage.

$$\frac{1}{7} \rightarrow 14\frac{2}{7}\%$$

$$\frac{2}{7} \rightarrow 28\frac{4}{7}\%$$

$$4 + \frac{2}{7}$$
$$400\% + 28\frac{4}{7}\%$$
$$428\frac{4}{7}\%$$

Convert $\frac{40}{13}$ in percentage.

$$3 + \frac{1}{13}$$

$$300\% + 7\frac{9}{13}\%$$

$$307\frac{9}{13}\%$$

Convert $\frac{39}{8}$ in percentage.

$$\begin{aligned}\frac{1}{8} &\rightarrow 12\frac{1}{2}\% \\ 84+3\frac{1}{2} \\ \frac{7}{8} &\rightarrow 87\frac{1}{2}\%\end{aligned}$$

$$\begin{aligned}4 + \frac{7}{8} \\ 400\% + 87\frac{1}{2}\% \\ 487\frac{1}{2}\%\end{aligned}$$

$$\begin{aligned}5 - \frac{1}{8} \\ 500\% - 12\frac{1}{2}\% \\ 487\frac{1}{2}\%\end{aligned}$$

Convert $\frac{23}{12}$ in percentage.

$$2 - \frac{1}{12}$$

$$200\% - 8\frac{1}{3}\%$$

$$191\frac{2}{3}\%$$

Convert $\frac{65}{10}$ in percentage.

$$6 + \frac{5}{10}$$

$$60\% + 50\%$$

$$650\%$$

Convert $\frac{78}{11}$ in percentage.

$$7 + \frac{1}{11}$$

$$700\% + 9\frac{1}{11}\%$$

$$709\frac{1}{11}\%$$

Convert $\frac{87}{17}$ in percentage.

$$\frac{1}{17} \rightarrow 5 \frac{15}{17}\%$$

$$\frac{2}{17} \rightarrow 10 \quad \frac{30}{17} \rightarrow 1 \frac{13}{17}$$

$$5 + \frac{2}{17}$$
$$500\% + 11 \frac{13}{17}\%$$

$$511 \frac{13}{17}\%$$

Convert $\frac{96}{19}$ in percentage.

$$5 + \frac{1}{19}$$

$$500\% + 5\frac{5}{19}\%$$

$$505\frac{5}{19}\%$$

Convert $\frac{107}{15}$ in percentage.

$$\frac{1}{15} \rightarrow 6\frac{2}{3}\%$$

\downarrow
12 $\frac{5}{3} \rightarrow 1\frac{1}{3}$

$$\frac{2}{15} \rightarrow 13\frac{1}{3}\%$$

$$7 + \frac{2}{15}$$
$$713\frac{1}{3}\%$$

Convert $\frac{203}{20}$ in percentage.

$$10 + \frac{3}{20}$$

$$1000\% + 15\%$$

$$1015\%$$

$\frac{64}{25}$ Converted to percentage is.

$$2 + \frac{14}{25} \quad \frac{1}{25} \rightarrow 4\%$$

$$200\% + 56\%$$

$$256\%$$

- (a) 25.6
- (b) 256
- (c) 0.256
- (d) 2.56

$\frac{9}{40}$ Converted to percentage is.

$$\frac{1}{40} \rightarrow 2\frac{1}{2}\%$$

(a) 2.5

(b) 2

(c) 22

(d) 22.5

$$18\frac{9}{2} \rightarrow 4\frac{1}{2}\%$$

$$22\frac{1}{2}\%$$

$$22.5\%$$

Fraction | %
Use | प्रयोग

Calculate x% of y

କାର୍ଯ୍ୟାଳୟ

1. 30% of 420

$$\frac{3}{10} \times 420 \\ 126$$

2. 40% of 385

$$\frac{2}{5} \times 385$$

154

$$a\% \text{ of } b = b\% \text{ of } a$$

$$\frac{a}{100} \times b = \frac{b}{100} \times a$$

$$\frac{ab}{100} = \frac{ab}{100}$$

3. 38% of 450

$$2\% \rightarrow \frac{1}{50}$$

$$\frac{19}{50} \times 450$$

171

3. **38 of 450%**

$$4 + \frac{1}{2}$$

$$\cancel{38}^{19} \times \frac{9}{\cancel{45}^9}$$

171

4. 75% of 75 of 400

$$\frac{3}{4} \times 75 \times \frac{100}{400}$$

$$225 \times 1\cancel{9}$$

$$22500 \cancel{\cancel{0}}$$

4. ~~75%~~ of 75 of 400 %

$$\begin{array}{r} 75 \times 75 \times 4 \\ \hline 75 \times 30 \end{array}$$

22500

$$\begin{array}{rcl} 8 & & \\ \curvearrowleft 75^2 & \rightarrow & 5625 \\ 3 & & \\ \curvearrowleft 25^2 & \rightarrow & 625 \end{array}$$

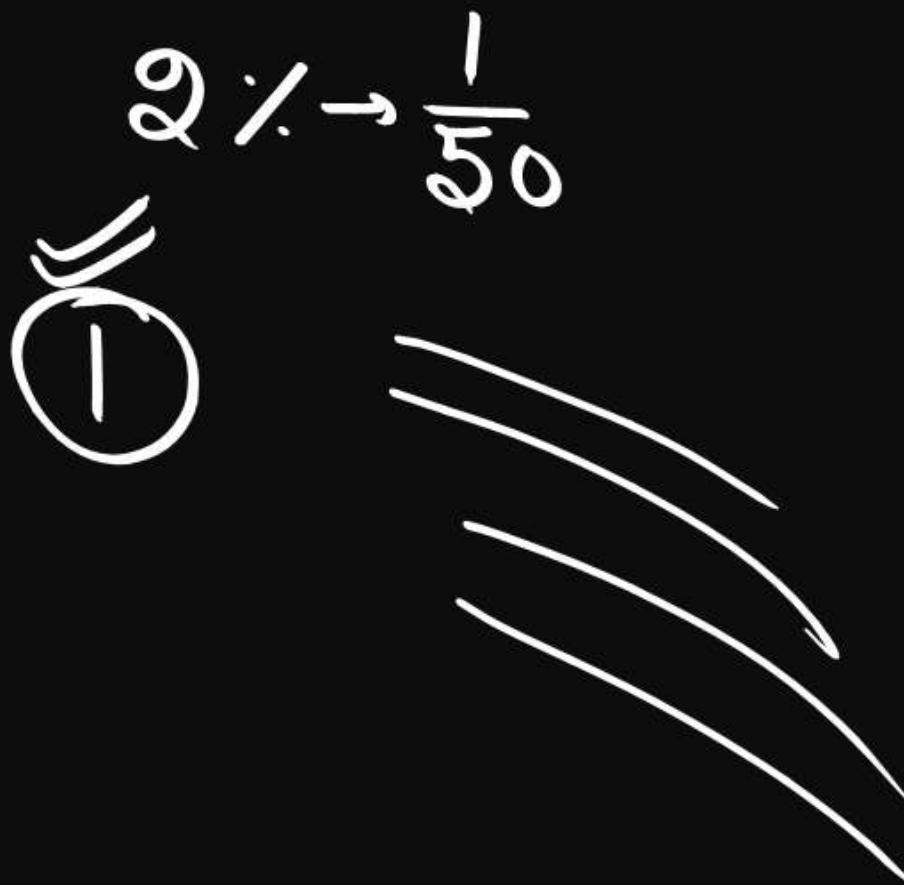
$$\begin{array}{rcl} 7 & & \\ \curvearrowleft 65^2 & \rightarrow & 4225 \end{array}$$

$$\begin{array}{rcl} 100 & & \\ \curvearrowleft 995^2 & \rightarrow & 990025 \end{array}$$

5. 48 is what percent of 60 ?
48, 60 का कितना प्रतिशत है?

- (a) 72
- (b) 75
- (c) 78
- (d) 80

6. What will be 46% of 250 ?
250 का 46% क्या होगा?



$$\begin{array}{r} 250\% \text{ का } 46 \\ 2 + \frac{1}{5} \\ \hline 25 \times 46 \end{array}$$

- (a) 92
- (b) 115
- (c) 126.5
- (d) 103.5

6. **45% of 1180 + 90% of 350**

10 Sec.

$$\frac{9}{20} \times 1180 + \frac{9}{10} \times 350$$

$\cancel{531} + \cancel{315}$

408
Top \rightarrow 100,000

Top \rightarrow 100 \times

846

6. **45% of 1180 + 90% of 350**

90% ~~of~~ 590 + 90% ~~of~~ 350

90% [590 + 350]

$\frac{9}{10} \times 948$

846

6. **$45\% \text{ of } 1180 + \frac{90}{2} \text{ % of } 350^2$**

$45\% \text{ of } 1180 + 45\% \text{ of } 700$

$45\% \text{ of } [1180 + 700]$

$\frac{9}{20} \times 1880$
 846

$$A \times B = M$$

$$5A \times \frac{B}{5} = M$$

$$\frac{A}{13} \times B \times 13 = M$$

#

$$40 \times 7 \Rightarrow 280$$
$$10 \times 28 \Rightarrow 280$$
$$20 \times 14 \Rightarrow 280$$
$$5 \times 56 \Rightarrow 280$$

$$\begin{array}{r} 1^3 \\ \times 3^3 \\ \hline 3^3 \rightarrow 27 \\ 6^3 \rightarrow 216 \\ \hline 20^3 \end{array}$$

7. $16\frac{2}{3}\%$ of 216

$$\frac{1}{6} \times 216$$

(36)

8. $37\frac{1}{2}\%$ of 640

$$\frac{3}{8} \times 640$$

⁸⁰
~~640~~

240

9. $33\frac{1}{3}\%$ of 150

$$\frac{1}{3} \times 150$$

$$50 =$$

10. $66\frac{2}{3}\%$ of 810

$$\frac{2}{3} \times \cancel{810}^{270}$$

540

11. $87\frac{1}{2}\%$ of 1280

$$\frac{7}{8} \times 1280$$

1120

$$87\frac{1}{2}\%$$

$100\% - 12\frac{1}{8}\%$

$$1 - \frac{1}{8}$$

$\frac{7}{8}$

12. **$44\frac{4}{9}\%$ of 1350**

$$11\frac{1}{9}\% \rightarrow \frac{1}{9}$$

$$\cancel{\frac{4}{9}} \times \cancel{1350}^{150}$$

600

13. $8\frac{1}{3}\%$ of 1728 + 25% of 100

$$\frac{1}{12} \times 1728 \xrightarrow{\text{Simplification}} 144 +$$

$$144 + 25$$

169

14. 75% of 75% is equal to.
75% का 75% बराबर है।

$$\frac{1}{2} \rightarrow 0.5$$

$$16) \overline{9000} (0.562 \\ \underline{-80} \\ \underline{100} \\ -96 \\ \underline{40}$$

$$\frac{3}{4} \times \frac{3}{4} \rightarrow \frac{9}{16}$$

- (a) 0.5662
~~(b) 0.5625~~
(c) 0.5652
(d) 0.5666

$$\begin{aligned}\frac{1}{16} &\rightarrow 0.0625 \\ \frac{1}{8} &\rightarrow 0.125 \\ \frac{1}{4} &\rightarrow 0.25\end{aligned}$$

15. The value of 60% of 28% of 250 = ?
250% के 28% का 60% का मान = ?

$$2 + \frac{1}{2}$$

$$\cancel{\frac{5}{2}} \times \frac{14}{28} \times \frac{3}{\cancel{5}}$$



- (a) 22
- (b) 56
- (c) 68
- (d) 42

16. What is 18% of 90% of 500 ?

500 के 90% का 18% क्या है?

$$\cancel{5} \times \frac{9}{\cancel{10}} \times \cancel{18} \rightarrow 81$$

- (a) 81
- (b) 80
- (c) 78
- (d) 79

17. If 10% of 24% of x is 240,
then x = ?

x का 10% का 24% = 240

$$x \times \frac{1}{10} \times \frac{6}{25} = 240$$
$$\Rightarrow 10000$$

- (a) 1000
- (b) 10000
- (c) 100
- (d) 100000

18. Find the value of 10% of 110 of 110%
110 के 110% का 10% का मान ज्ञात कीजिए ?

$$110 \times \frac{11}{10} \times \frac{1}{10}$$

$$\frac{121}{10} \rightarrow 12.1$$

- (a) 18.15
- (b) 11.55
- (c) 6.05
- (d) 12.1

$$|^2 \rightarrow ! \rightarrow 1 \rightarrow 1^2$$

$$||^2 \rightarrow 121 \rightarrow 4 \rightarrow 2^2$$

$$|||^2 \rightarrow 12321 \rightarrow 9 \rightarrow 3^2$$

$$||||^2 \rightarrow 1234321 \rightarrow 4^2$$

$$|||||^2 \rightarrow 12345654321 \rightarrow 36$$

$$\begin{array}{r} | \\ |+2+1 \end{array} \rightarrow \begin{array}{l} 1 \\ 4 \end{array}$$

$$|+2+3+2+1 \rightarrow 3^2$$

$$|+2+3+4+3+2+1 \rightarrow 4^2$$

$$|+2+\dots+\underline{100}+99+\dots+1 \rightarrow 100^2$$

Find the Sum of All digit of below expression
निम्न संख्या के सभी अंकों का योग ज्ञात करें।

$$\left(\overbrace{1111 \dots}^{100 \text{ बार}} \right)^2$$

$$100^2 \rightarrow 10000$$

$$12345321 \rightarrow 16$$

$\curvearrowright 4^2$

19. What is 20% of 40% of 30% of 75% of 3400?
3400 के 75% के 30% के 40% का 20% क्या है?

$$17 \times \frac{4}{100}$$

$$3400 \times \frac{3}{4} \times \frac{3}{10} \times \frac{75}{5} \times \frac{1}{5}$$

$$\frac{68 \times 9}{10} \rightarrow \frac{612}{10} \rightarrow 61.2$$

(a) 61.5

(b) 61.4

(c) 61.1

(d) 61.2

20. What is 25% of 50% of 75% of 80% of 4520?

4520 के 80% के 75% के 50% के 25% का मान क्या है?

113
4520 × $\frac{4}{5} \times \frac{3}{4} \times \frac{1}{2} \times \frac{1}{4}$
18

339

- (a) 339
- (b) 329
- (c) 349
- (d) 359

21. What is 30% of 40% of 150% of 200% of 360?

360 के 200% के 150% के 40% के 30% का मान ज्ञात कीजए?

$$360 \times 6$$

$$1296$$

$$\begin{aligned} & 360 \times 2 \times \frac{3}{5} \times \frac{2}{5} \times \frac{3}{10} \\ & \frac{1296}{10} \rightarrow 129.6 \end{aligned}$$

- (a) 129.6
(b) 1.296
(c) 1.296
(d) 1296

22. What is 20% of 30% of 40% of 50% of 3600?

3600 के 50% के 40% के 30% के 20%
का मान ज्ञात कीजिए।

$$3600 \times \frac{1}{2} \times \frac{2}{5} \times \frac{3}{10} \times \frac{1}{5}$$

$$\frac{432}{10} \rightarrow 43.2$$

- (a) 47.2
- (b) 45.2
- (c) 41.2
- (d) 43.2

५% और ७६%.

23. 19% of 16% of 1480 is the same as ?

1480 के 16% का 19% किसके समान है?

8% का 38%.

(a) 38% of 8% of 1480

(b) 48% of 6% of 1480

(c) 9% of 26% of 1480

(d) 35% of 1% of 1480

$$16 \times 19$$

$$8 \times 38$$

Calculate x is what percent of y



1. 48 is what percent of 60 ?

~~48, 60 का कितना प्रतिशत है?~~

४ : ५

$$\frac{1}{5} \rightarrow 20\%$$

(a) 72

(b) 75

(c) 78

~~(d)~~ 80

$$\frac{4}{5} \times 100$$

2. 240 is what percent of 640

~~240~~/~~640~~ का कितना प्रतिशत है

$\frac{3}{8}$

$$= \frac{3}{8} \times 100$$

3. 420 is what percent of 700
~~420, 700 का कितना प्रतिशत है?~~

$$\frac{42}{70} : \frac{10}{5}$$

$$\frac{3}{5} \times 100$$

60%

4. 1680 is what percent of 1050.
1680, 1050 का कितना प्रतिशत है?

$$\cancel{1680} : \cancel{1050}$$

$$8 : 5$$

8 : 5 का

$$\frac{1}{5} \rightarrow 20\%$$

$$160\%$$

$$\frac{8}{5} \times 100$$

5. 1380 is what percent of 1150.

1380, 1150 का कितना प्रतिशत है?

$$\frac{138}{115} \times 100$$

$$\frac{6}{5} \times 100$$

6 : 5 का

120 %

6. 32 is what percent of 80 ?

~~32, 80 का~~ कितना प्रतिशत है?

2 : 5

(a) 24%

(b) 25.6%

(c) 36%

(d) 40%

$$\frac{2}{5} \times 100\%$$

40%

7. What percent of 7.2 kg is 18 gm

7.2 किग्रा का कितना प्रतिशत 18 ग्राम है

$$\begin{array}{rcl} 18 \text{ gm} & & 7.2 \text{ kg} \\ \times 1000 & & \\ \hline 18000 & : & 7200 \\ | & & \\ 1 & : & 400 \end{array}$$

$$\frac{1}{400} \times 100 \rightarrow \frac{1}{4} \rightarrow 0.25 \quad \cancel{0.25\%}$$

(a) 25%

(b) 2.5%

~~0.25%~~

(d) 0.025%

$$\frac{1}{2} \rightarrow 0.5$$

$$\frac{1}{4} \rightarrow 0.25$$

$$\frac{1}{8} \rightarrow 0.125$$

$$\frac{1}{16} \rightarrow 0.0625$$

8. 1 minute 48 second in the percentage of 1 hour is represented by

60 \leftarrow 1 मिनट 48 सेकंड को 1 घंटे के प्रतिशत में किस प्रकार दराया जाता है?

$$\frac{1}{10} \rightarrow 1\%$$

$\frac{108}{60} : \frac{3600}{100}$ का

$\frac{108}{60} : \frac{9}{10}$

$\frac{108}{60} : 100$ का

- (a) ~~3%~~ 3%
- (b) 5%
- (c) 4%
- (d) 2%

9. What percentage of 1 hour is 1 min 12 sec ?

1 मिनट 12 सेकंड 1 घंटे का कितना प्रतिशत है?

$$\frac{1}{50} \rightarrow 2\%$$

पर्व : $\frac{3600}{10}$

- (a) 2%
- (b) 12
- (c) 11%
- (d) 1.2%

10. What percent of a day is 6 hours ?
6 घंटे एक दिन का कितना प्रतिशत होता है?

$$6 : 24 \\ | \curvearrowright 4 \text{ का}$$

$$\frac{1}{4} \times 100$$

- (a) 30%
- (b) 40%
- (c) 25%
- (d) 45%

11. What percentage is 15 minutes of $1\frac{1}{2}$ days?

✓ 15 मिनट $1\frac{1}{2}$ दिन का कितना प्रतिशत है?

$$\begin{array}{l} \text{1 दिन} + \frac{1}{2} \text{ दिन} \\ \downarrow \\ 24 + 12 \end{array}$$

$$24 + 12$$

$$\frac{15}{1} : 36 \times \frac{60}{4}$$

$$1 : 144$$

$$\frac{1}{144} \times 100 \rightarrow \frac{25}{36} \%$$

(a) 10%

(b) $\frac{5}{6}\%$

(c) $\frac{25}{36}\%$

(d) $41\frac{2}{3}\%$

12. What percent of Rs. 10 is Rs. 1.25 ?

10 रुपये का कितना प्रतिशत 1.25 रुपये है?

$$\frac{1.25}{10} : \frac{10 \times 100}{2 \times 5}$$

$$1 : 8$$

$$1 \div 8 = 12.5\%$$

(a) 66%

(b) 23%

~~12.5%~~

(d) 33%

$$\frac{1}{8} \times 100 \rightarrow 12\frac{1}{2}\% \rightarrow 12.5\%$$

