

What is percentage?





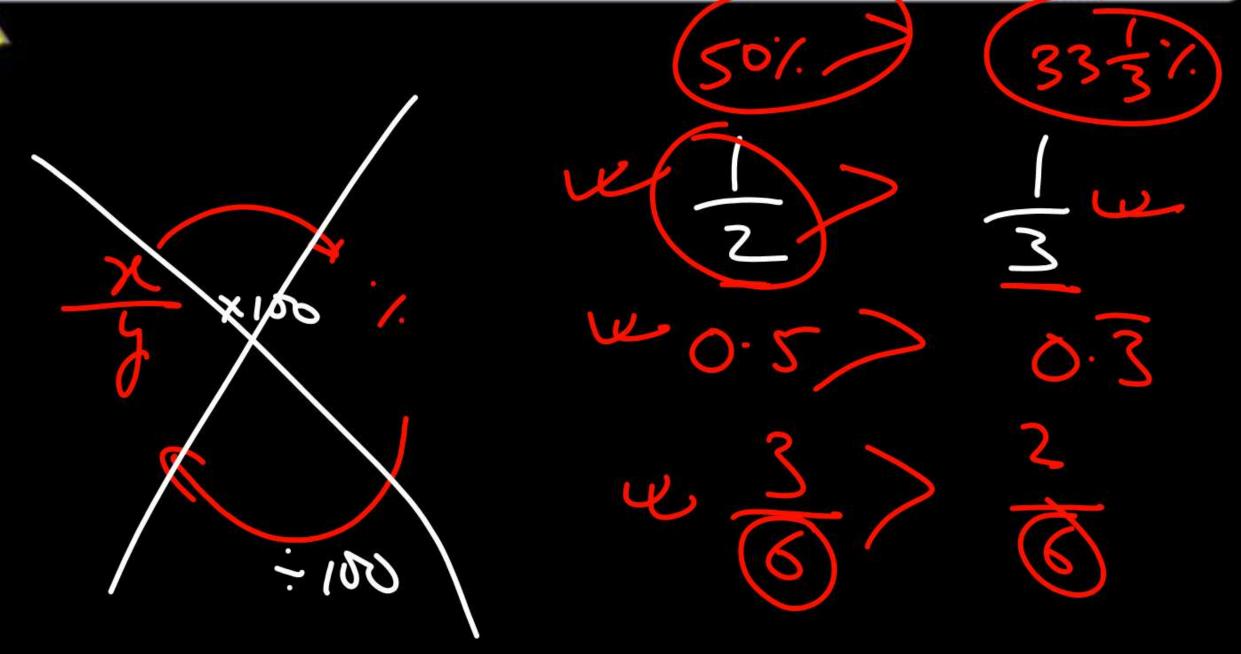


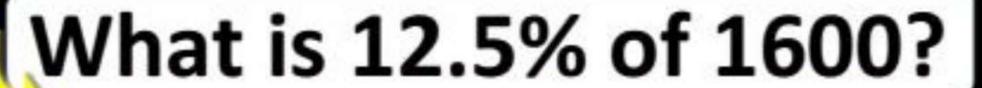


The word percent can be understood as follows: Per cent ⇒ for every 100.

What is the use of Percentage?







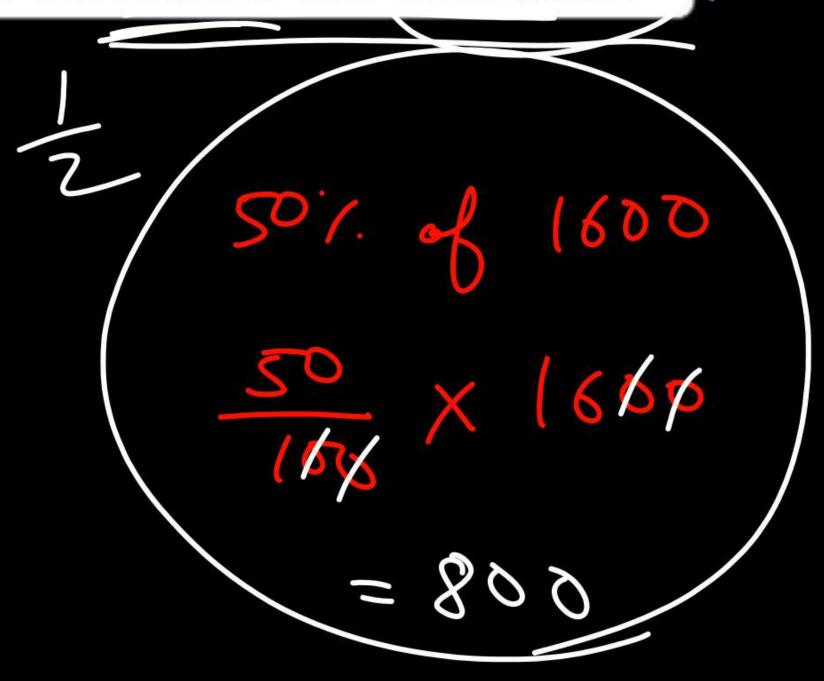






What is 50% of 1600?











What is 50% of 1600?

NOTE:

It's easy to understand percentages in the form of fractions or Decimals.



$$33\frac{1}{3}$$
 / = $\frac{1}{3}$ = $0.\overline{3}$



Percentages Table



$$5\% = 1/20 = 0.05$$
 $10\% = 1/10 = 0.1$ $15\% = 3/20 = 0.15$ $20\% = 1/5 = 0.2$ $25\% = \frac{1}{4} = 0.25$ $30\% = \frac{3}{10} = 0.3$ $33 \frac{1}{3}\% = \frac{1}{3} = 0.333...$

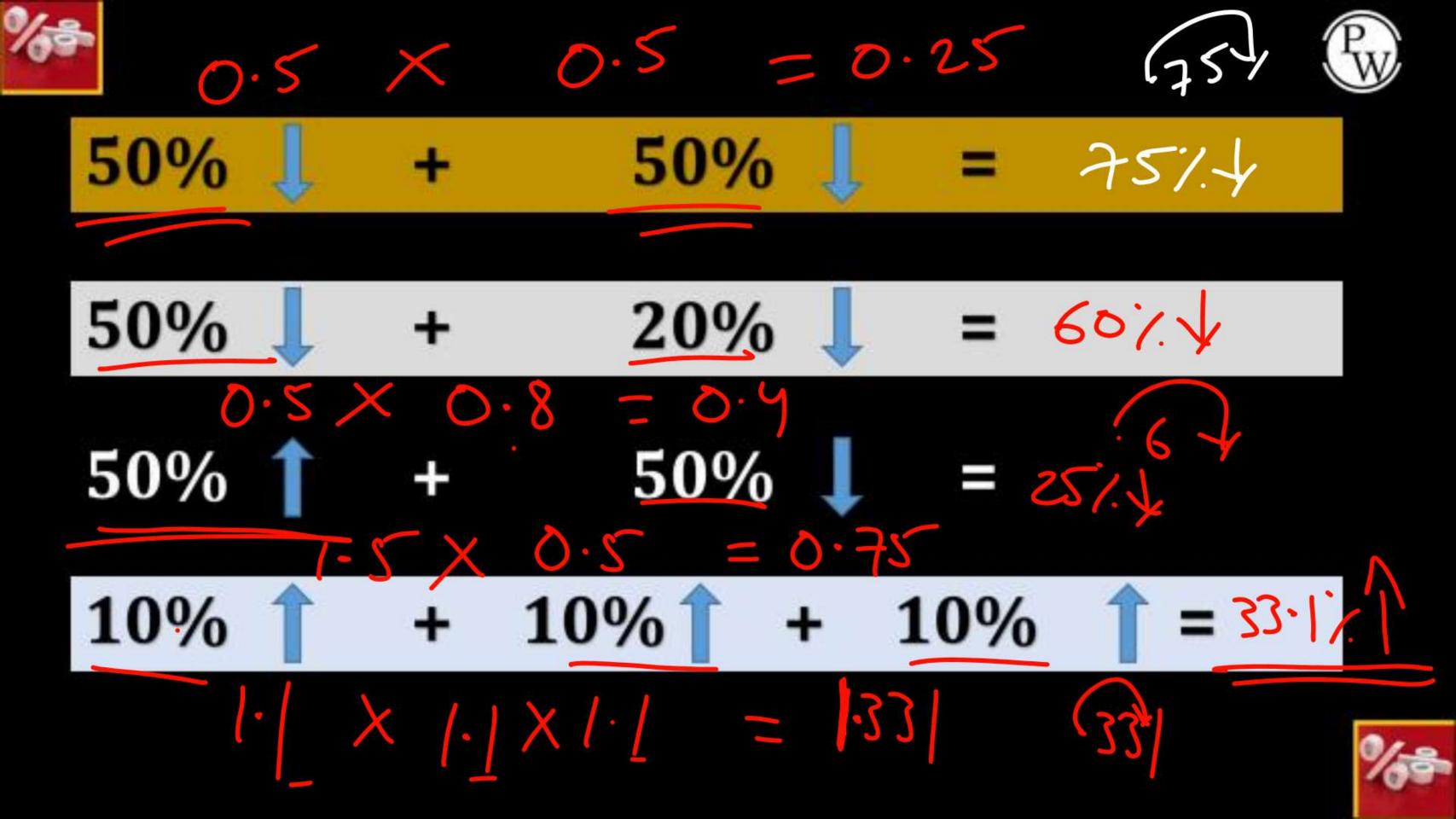
$$100\% = 1 = 1$$

662/3% = 2/3 = 0.6666...



Consecutive

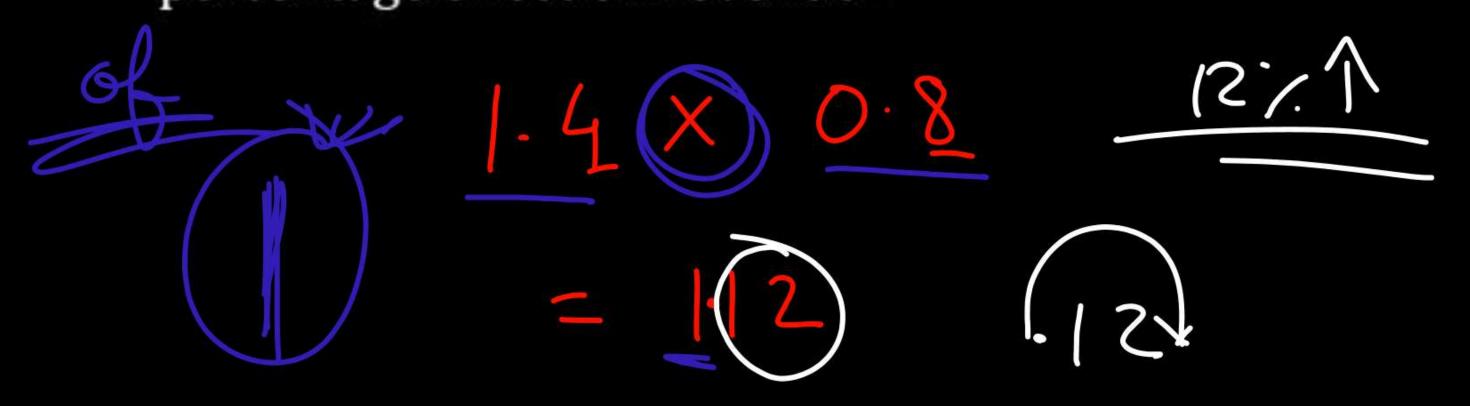






In a renovation of a theatre, the ticket rate was increased by 40% and thus the customer decreased by 20%. What would be the percentage effect on revenue?



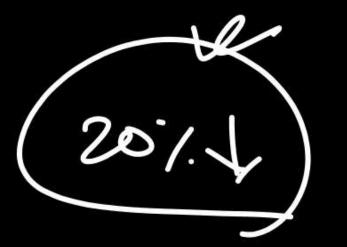




Q.

If A is 25% more than B, then B is how much percentage less than A?



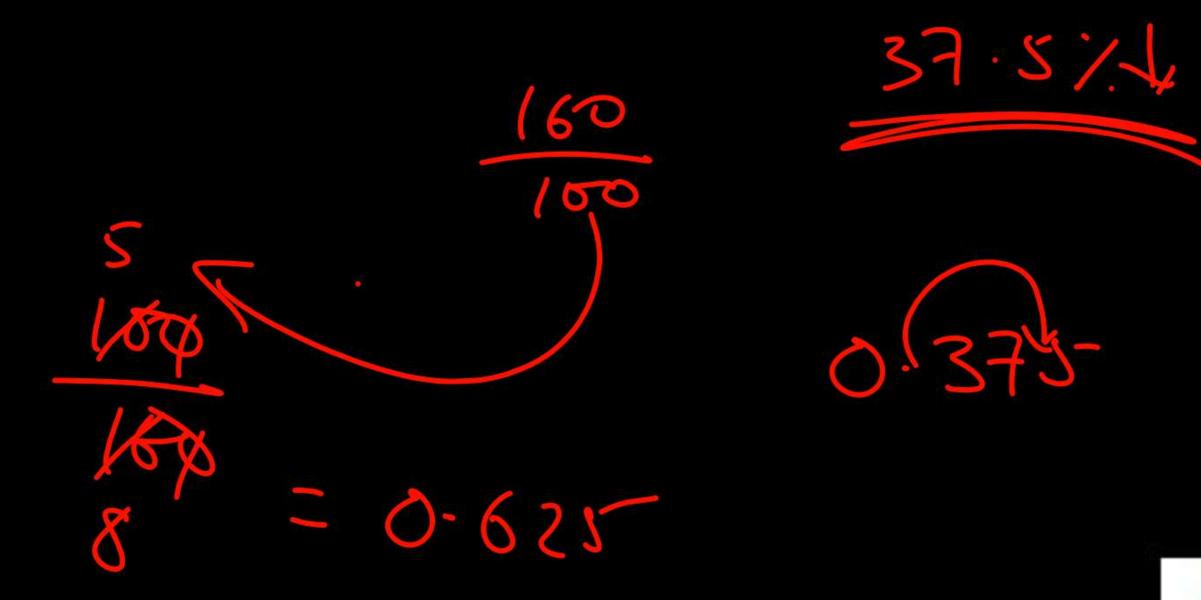






If the petrol rate is increased by 60%, then by how much percentage we should decrease our consumption, in order to maintain same budget?

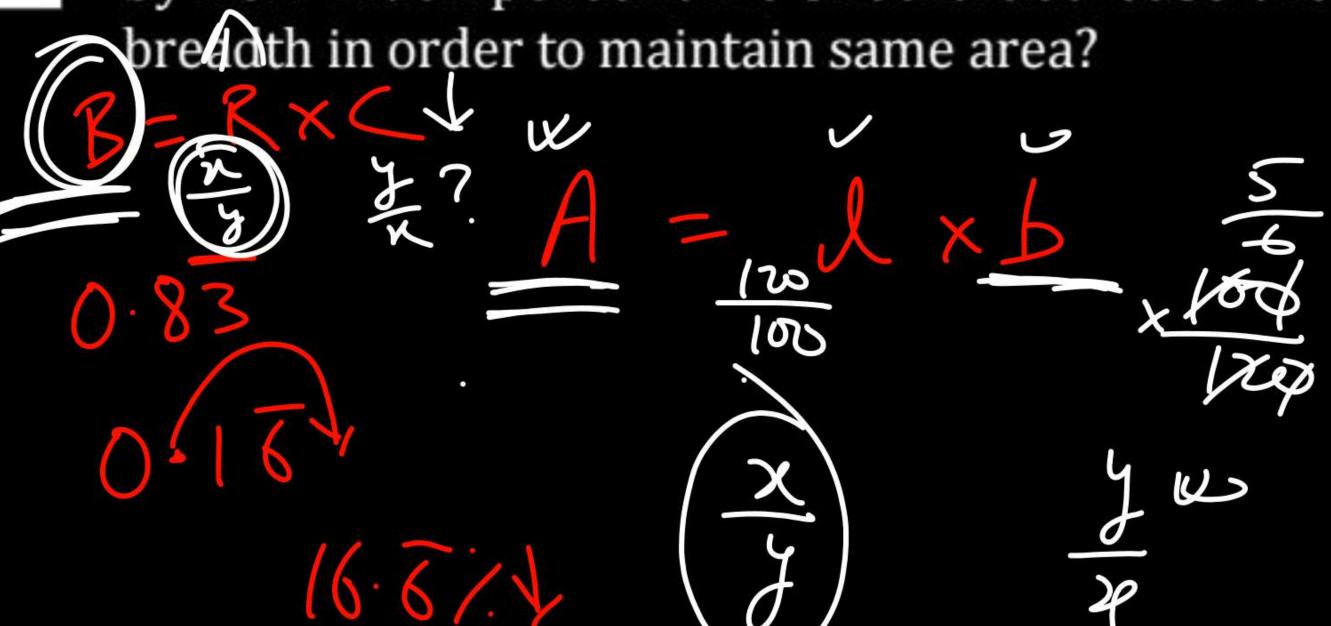




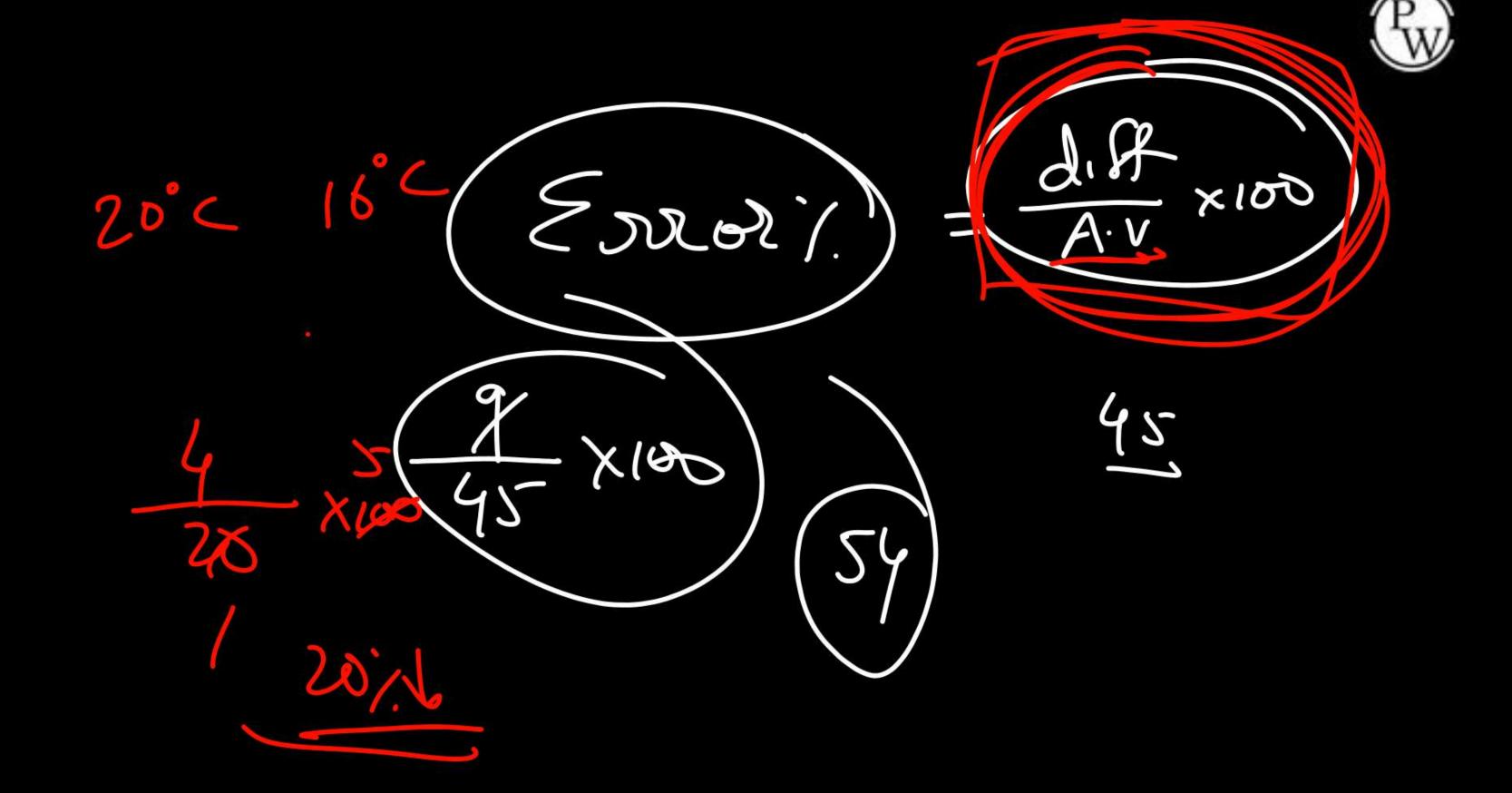


If the length of a rectangle increase by 20%, then by how much percent we should decrease the











$\frac{Difference}{Actual \, Value} \times 100$

% INCREASE

% DECREASE





Srinivas saves 20% of his income. If his income is increased by 20% and expenditure decreased by 10%, then find the percentage change in his savings.





Income 100	Saving 20	Expenditure 80

Percentage increase
$$=\frac{\text{diffrence}}{\text{actual value}} \times 100$$

$$= \frac{28}{20} \times 100 = 140\%$$

