

Direct & Inverse proportion

Extra Sum

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- 1) If x varies inversely as y and $x=20$ when $y=600$. Find y when $x=400$
- 2) If Naresh walks 250 steps to cover a distance of 200 meters, find the distance travelled in 350 steps.
- 3) A car travels a distance of 225 km in 25 litres of petrol. How many litres of petrol will be required to cover a distance of 540 km by this car?
- 4) If a and b vary inversely to each other, then find the values of p, q, r .

a	6	8	q	25
b	18	p	39	r

- 5) Both x and y are in direct proportion, then $\frac{1}{x}$ and $\frac{1}{y}$ are in which proportion?
~~direct~~

- 6) A train is moving with a uniform speed of 105 km/hr. How far will it travel in 20 minutes?