

OBHS Core Questions:

Subject: Maths

Year and Term: Autumn 1 year 11

Topic: NP16



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

	Question	Answer
1.	Define direct proportion	When one quantity increases or decreases, the other quantity increases or decreases at the same rate.
2.	Define inverse proportion	When one quantity increases, the other decreases proportionally, and vice-versa.
3.	If a train travels 100 miles in 2 hours, how long will it take to travel 250 miles at the same speed?	5 hrs
4.	If 3 people can paint a house in 6 days, how many days would it take 6 people to paint the same house?	3 days
5.	What is the formula for compound interest?	$B = p(1 + r)^t$ OR compound interest = original x multiplier ^{years}
6.	If you invest £100 at a 5% annual interest rate, compounded annually, what will the investment be worth after 3 years?	£115.76
7.	What is the Principal (p)	The initial amount invested or borrowed.