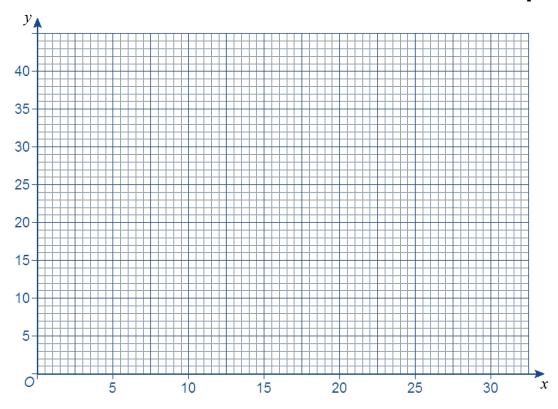


Direct and Inverse Proportion Topic Test 2 (10 minutes)

- 1 y is directly proportional to xWhen y = 8, x = 6
- **1** (a) Draw a graph that can be used to work out x if you have been given y.

[2 marks]



1 (b) Use your graph to work out the value of x when y = 20

[1 mark]

Answer

2	d is inversely proportional When $d = 4$, $c = 4$	to c.		
2 (a)	Find an equation connecting d and c			[3 marks]
2 (b)	Work out d when $c = 8$			[1 mark]
		Answer		
2 (c)	Work out c when $d = 3.2$			[1 mark]
		Answer		

3	The time taken in hours (t) for the rooms in a hotel to be cleaned in a morning is inversely proportional to the number of cleaning staff working (s) It takes 3 hours to clean the rooms when 10 cleaners are working.			
3 (a)	Find an equation connecting <i>t</i> and <i>s</i> .	[3 marks]		
	Answer			
3 (b)	How many room staff are needed to get the rooms cleaned in 2 hours	[1 mark]		
	Answer	_		

END OF QUESTIONS