
Direct and Inverse Proportion

Topic Test 1 (10 minutes)

1 y is directly proportional to x

When $y = 18$, $x = 6$

1 (a) Find an equation connecting y and x

[3 marks]

Answer _____

1 (b) Work out x when y is 30

[1 mark]

Answer _____

2 h is inversely proportional to j

When $h = 7$, $j = 2$

Find the value of h when $j = 4$

[3 marks]

Answer _____

3 A play centre hosts children's birthday parties.

The cost of a party (c) is directly proportional to the number of children attending (n)

It costs £99 to have a party for 18 children.

3 (a) Find an equation connecting c and n

[3 marks]

Answer _____

3 (b) Josie has a budget of £70 for a children's party

How many children can she have at the party?

[2 marks]

Answer _____

END OF QUESTIONS