**Direct and Inverse Proportion Revision**

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| **(a)** | **(b)** | **(c)** | **(d)** |
| is directly proportional to . When . Find a formula for in terms of . | is inversely proportional to . When . Find a formula for in terms of . | is directly proportional to the square of . When  . Find a formula linking and . | is directly proportional to  When . Find a formula for in terms of . |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Sketch the graph showing is inversely proportional to . | is directly proportional to . When . Find the value of when . | is inversely proportional to . When . Find a formula for in terms of . | is inversely proportional to When . Find the value of when. |
| **(i)** | | **(j)** | |
| The distance travelled by a ball is proportional to the square of the time taken,. After 4 seconds the ball has travelled 40 m.  (i) Find a formula linking and t.  (ii) Find the distance travelled after 7 seconds. | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |  |  |  |  |  |   (i) Find a formula for in terms of .  (ii) Complete the table. | |