

Direct proportion: worded problems

Exit ticket **ANSWERS** Name _____

- 1 The cost, C pounds, of rope is directly proportional to its length, L metres. 8 m costs £20. Find a formula for C in terms of L .

$$C = 2.5L$$

- 2 Pay is directly proportional to hours worked. 6 hours pays £75. Find the pay for 10 hours.

$$£125$$

- 3 The fuel a car uses is directly proportional to the distance. 40 km uses 3 litres. How far does it go on 7.5 litres?

$$100 \text{ km}$$

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