

Practice questions in different contexts answers

1. 3 metres of copper pipe costs £22. How much will 60 metres cost?

Length of pipe (m)	3	30			60
Cost (£)	22	220			440

2. A photocopier can produce 25 copies in 30 seconds. How long will it take to make 150 copies?

Copies	25	50	100		150
Time (sec)	30	60	120		180

3. Sarah likes to keep fit by running. She can cover 4 km in 25 min. She thinks she can do a 10 km run in less than an hour. Is she right?

Distance (km)	4	8	2		10
Time (min)	25	50	12.5		62.5

No, it would take her 1 hour 2.5 minutes.

4. Naz buys a fridge from a shop for £189. The cost of delivery is proportional to the distance from the shop. For 15 miles, the cost is £9. Naz lives 24 miles from the shop. Is the total cost for the fridge and delivery more than £200?

Distance (miles)	15	5	10	1	24
Cost (£)	9	3	6	0.6	14.4

Yes, the total cost for fridge and delivery is $£189 + £14.40 = £203.40$, which is more than £200.