

N4 Applications of Maths – Proportion

1. An electric fire uses 7.5 units of electricity in 3 hours.

How many units does it use in: a) 1 hour

b) 5 hours?

c) If the fire uses 45 units, for how long has it been switched on?

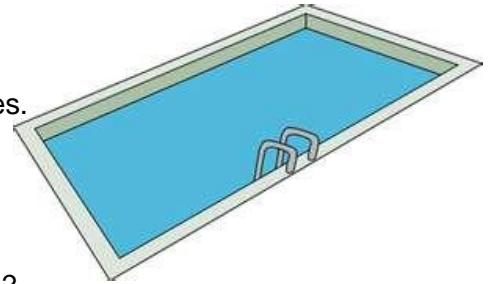
2. A machine in a factory fills 840 bottles in 6 minutes.

How many bottles could it fill in: a) 1 minute

b) 5 minutes?

3. An S1 pupil will burn 75 calories when swimming for 15 minutes.

How many calories will be burnt by swimming for 40 minutes?



4. A rail journey costs £36 for 300 miles.

At the same rate: a) what would it cost to travel 200 miles?

b) how far could you travel for £42?

5. Jim works as a builder's apprentice. In 8 hours he earns £56. How much would he earn for working:

a) 4 hours

b) 12 hours

c) 20 hours?

6. 3 packets of crisps weigh 84 g. How much do 7 packets weigh?

