a)
Anne cycles for 45 minutes at an average speed of 20 miles per hour.
She then cycles for 40 minutes at an average speed of 30 miles per hour.

It takes Barney 1 hour and 40 minutes to cycle the same total distance that Anne cycles.

Work out Barney's average speed.
Give your answer in miles per hour.

b)
Clive drives for 20 minutes at an average speed of 45 miles per hour.
He then drives for 25 minutes at an average speed of 48 miles per hour.

It takes Darren 1 hour and 45 minutes to cycle the same total distance that Clive drives.

Work out Darren's average speed.
Give your answer in miles per hour.

c)
Emma completed a triathlon consisting of a 1.5km swim, a 40km cycle and a 10km run.
She completed the swim at an average speed of 4km/h, the cycle at an average speed of 30km/h and the run in at an average speed of 12km/h.

Work out Emma's average speed.
Give your answer in kilometres per hour.

BACKWARD FADED MATHS