

Problem Solving



Your turn



1 A rectangle is cut into two pieces.



The area of B is $\frac{2}{7}$ of the area of the rectangle.

The area of A is 36 cm^2 greater than the area of B.

What is the length of the rectangle?

2



The area of B is 40% of the area of the rectangle.

A is cut in half to make shape C and D.

The area of B is 8 cm^2 greater than the area of C and D.

What is the area of the whole rectangle?

Problem Solving



Your turn



3 Tommy is getting a taxi home.

The taxi company charges at the following rate.

First 5 mins	£3.80
Next 5 mins	£3.10
Every following minute	40p

The taxi leaves school at 3.47 p.m.

It arrives at Tommy's home at 16.04

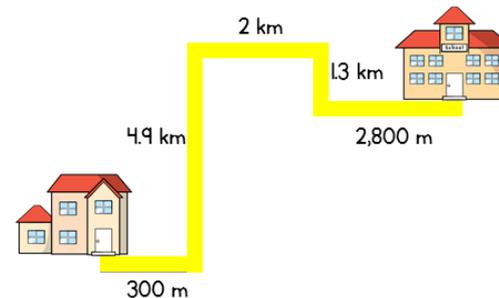
How much does the fare cost?

4 Eva is getting a taxi home.

The taxi company charges at the following rate.

First 3 km	£3.80
Next 5 km	£3.10
Every following km	40p

This is her journey home.



How much does the fare cost?