M2 = 39 days to go!

6 **(a)** Simplify $2c + 5e + 8c - 2e$

Answer _____ [2]

(b) Solve $w + 13 = 27$

Answer $w = $ _____ [1]

12 Peter buys mince and potatoes.

Mince costs £6 per kg.

Peter buys 3.2 kg of mince and 1.8 kg of potatoes.

The total cost is £20.46

How much does it cost for 1kg of potatoes?

20 The waiting times for patients at a surgery are recorded in the table.

Waiting time t (minutes)	Number of patients
$0 < t \leq 5$	7
$5 < t \leq 10$	8
$10 < t \leq 15$	5
$15 < t \leq 20$	5
$20 < t \leq 25$	4
$25 < t \leq 30$	1

Calculate an estimate of the mean waiting time.

Answer _____ minutes [4]

24 The longest side in a right-angled triangle is 12 cm.

One of the shorter sides is 4 cm.

Calculate the perimeter of the triangle.

Give your answer correct to 1 decimal place.