M6 =18 days to go!

1 Anna buys these items for lunch.

Chicken Sandwich	£2.95
Banana	£0.89
Cup of coffee	£1.75
Bottle of water	£1.20

+ £6.79

She pays with a £10 note.

She gets £2.21 change.

Is this change correct?

£10.00
− 6.79
£ 3.21

Show your working out.

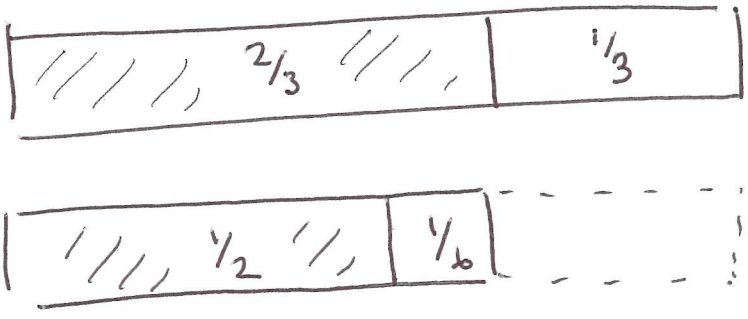
No, the change is not correct

6 Tom bought a full bag of coal.

After one week the bag was $\frac{2}{3}$ full.

During the next week he used $\frac{1}{4}$ of the remaining coal.

What fraction was left in the bag?



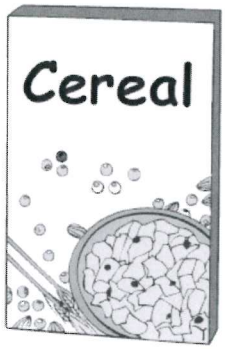
1/4 of 2/3

Answer 1/2 [2]

9 A machine fills boxes of breakfast cereal.

Each box should weigh 375 g.

Jason takes 100 boxes and tests the accuracy of the machine by weighing them.



Weight (g)	Less than 375	Exactly 375	More than 375
Number of boxes	9	58	33

(a) What is the probability that one of the boxes taken by Jason weighs less than 375 g?

9 out of 100

Answer 9/100 [1]

(b) The machine fills 5000 boxes.

Calculate the number of boxes you would expect to weigh less than 375 g.

9 out of 100

$\frac{9}{100} = \frac{450}{5000}$ (×50)

Answer 450 [2]

9 out of 100 = 9%

9% of 5000