

Higher Numeracy Summer 2019 P1 Q3a

Sam's Garden Centre buys trees to sell.

Sam bought 200 trees.
Each tree cost Sam £25.

22% of the trees were not sold.
Sam sold all the other trees for £40 each.

How much profit did Sam make?

You must show all your working.

[5]

Higher Numeracy Nov 2018 P1 Q4a

Jade is planning a weekend break to celebrate her 21st birthday.
The weekend break costs £350.
Jade's father says,

'If you save 21% of your earnings each week for the next 20 weeks, I will give you the rest of the money you need.'

Jade earns £72 per week.

How much is Jade's father offering to pay towards her weekend break?

You must show all your working.

[4]

Higher Numeracy Nov 2018 P1 Q4bii

(ii) Jade's new suitcase weighs 3 kg.
When it is packed, her suitcase must not weigh more than 25 kg altogether.
What percentage of the 25 kg does Jade have left for packing?

[2]

Higher Maths Summer 2018 P1 Q1c

Calculate $\frac{4}{5} \div \frac{1}{4}$.

Circle the correct answer.

[1]

$1\frac{3}{5}$

$\frac{1}{5}$

$\frac{5}{16}$

5

$3\frac{1}{5}$

Higher Maths Nov 2018 P1 Q3b

Calculate the value of the reciprocal of 0.2.

[2]

Higher Numeracy Nov 2018 P2 Q1a

Tube Cycles makes a large number of bikes each day.

(a) On 1st December 2016, 4000 bikes were made at the Tube Cycles factory.
The Tube Cycles factory was working at 80% capacity on that day.
This means that only 80% of the maximum possible number of bikes were made.

When the factory works at 95% capacity, how many bikes are made in one day?

[3]