Year 6 – Reasoning practice

The temperature in a freezer is -40 °C.

The temperature increases by 10 °C.

What is the new temperature?

°c

Match each fraction to its equivalent simplified fraction.

One has been done for you.

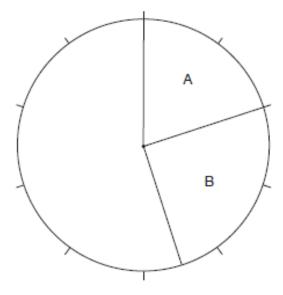
Fraction	Simplified fraction
<u>12</u> 20	<u>4</u> 5
12 15	$\frac{2}{3}$
12 16	3 5
12 18	$\frac{3}{4}$

Look at the data in this table.

Label	Percentage
Α	20%
В	25%
С	15%
D	30%
E	10%

Using this data, draw \mbox{two} lines and write \mbox{three} labels to complete the pie chart.

Use a ruler.



2 marks

21

A band holds a concert for charity.

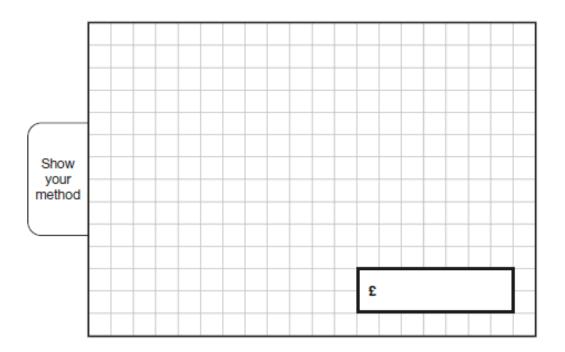
The tickets cost £27 each.

They sell 635 tickets.

They pay £3,180 to use the hall.

They give one-third of the remaining amount to charity.

How much money does the band give to charity?



3 marks