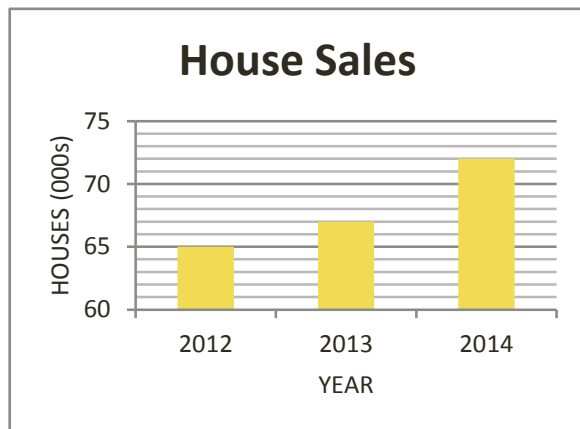
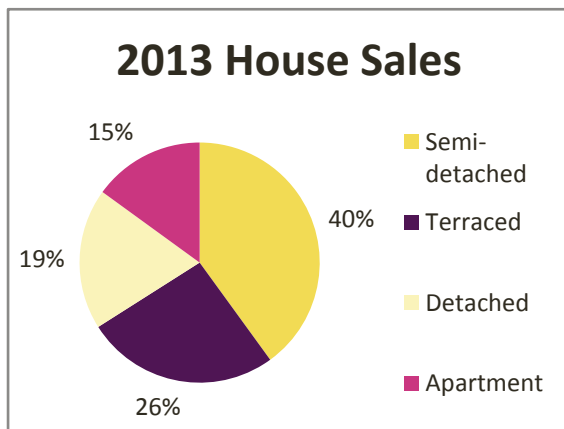


Double Charts

Sometimes information is presented in two charts at the same time. This can feel like an overload of information, but the following strategies may help.

1. Have a quick scan of the types of charts provided – could you understand both of them if you needed to?
2. Do not start interpreting the information until you are sure what data you are looking for.
Check the units on the charts – are they in percentages, proportions or actual figures? Are they in thousands (000s)?



Example

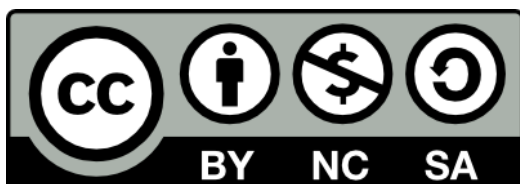
How many terraced houses were sold in 2013?

Looking at the charts that we have been given, it is clear that the bar chart gives us information about the number of houses that were sold in three different years. The pie chart, gives us percentage information about the types of houses that were sold in 2013.

First we see from the bar chart that 67,000 houses were sold in 2013, and from the pie chart we know that 26% of them were terraced houses. Then

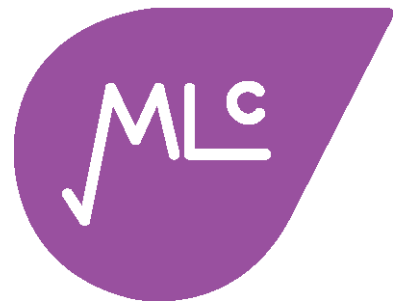
$$26\% \times 67000 = 17420$$

Therefore the answer is that 17,420 terraced houses were sold in 2013.



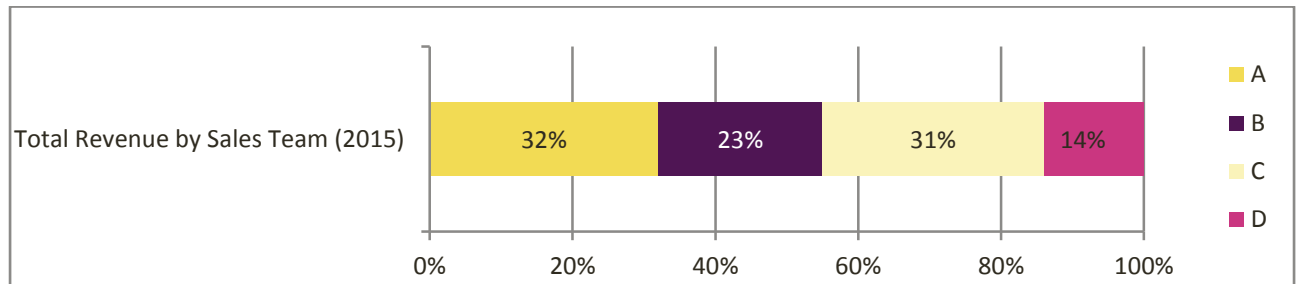
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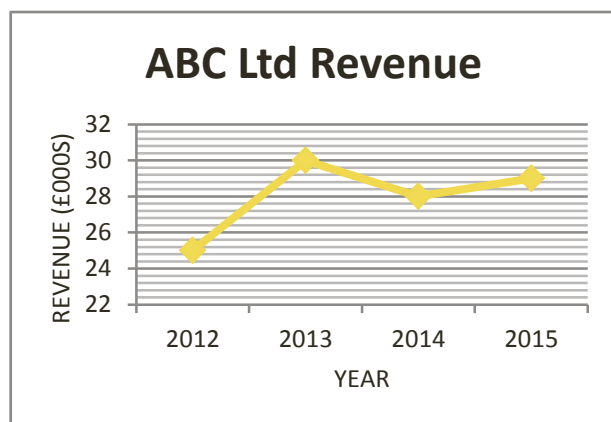
Example

Here are two charts for ABC Ltd.



- (i) What was the percentage increase in revenue between 2012 and 2015?

From the line graph, we can see that revenue was 25 in 2012, and 29 in 2015 (we note that these figures are in £000s, but we retain the values as they are, for ease of calculation).



First we work out the increase in revenue $29 - 25 = 4$

We now need to calculate this as a percentage of the 2012 revenue figure
 $4 / 25 \times 100 = 16\%$

Therefore there was a 16% increase in revenue between 2012 and 2015.

- (ii) What was the revenue from Team B in 2015?

The bar chart tells us that 23% of revenue was from Team B in 2015. Therefore we need to calculate 23% of the 2015 revenue figure

$$23\% \times 29 = 6.67$$

We recall that the revenue figure is in £000s, and so the answer is £6,670.



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