

Level 2 & 3 Pie Charts

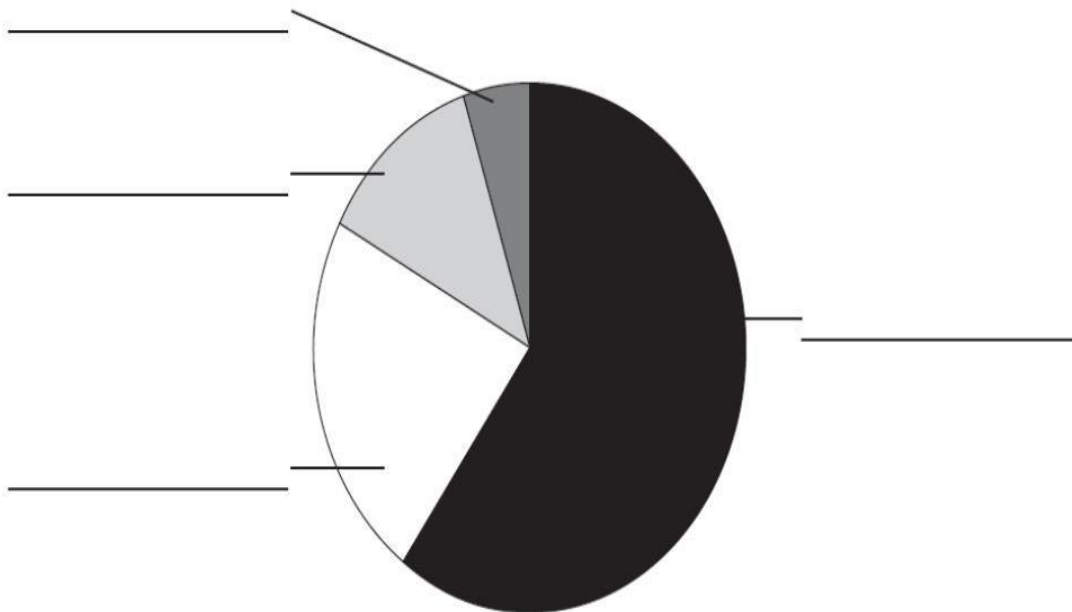
First three questions are level 2

Rapeseed oil contains different fats and oils.

Fats and oils	Percentage (%)
Omega 9 oil	60
Omega 6 oil	23
Omega 3 oil	12
Saturated fat	5

Use the information in the table to label the pie chart.

(An additional pie chart, if required, can be found on *Page twenty-five.*)



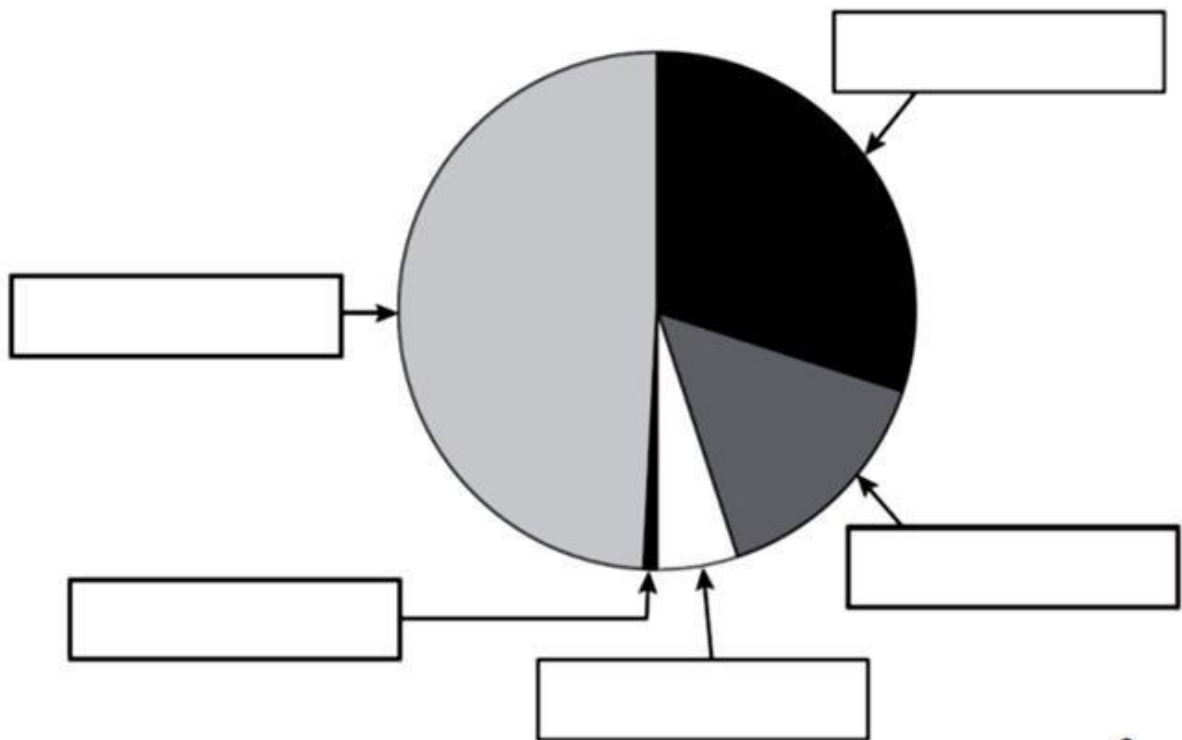
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- The table below shows the percentage of ingredients in a washing powder.

<i>Ingredient</i>	<i>Percentage (%)</i>
bleach	15
builder	
optical brightener	1
soap	5
surfactant	30

Use the information in the table to label the pie chart correctly.



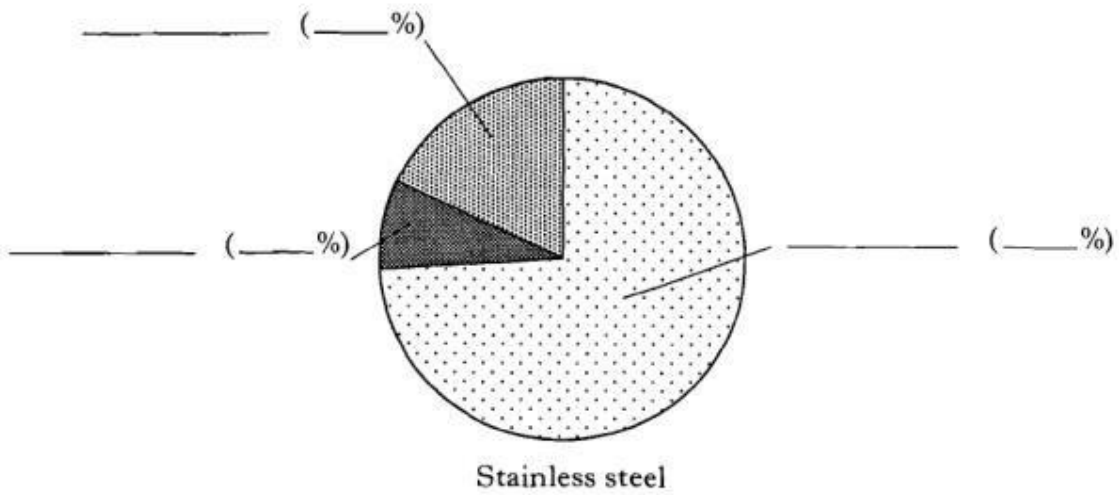
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Steel is a mixture of metals.

Stainless steel contains 8% nickel and 18% chromium. The rest is iron.

Label the pie chart to show the **name** and **percentage** of each metal used to make stainless steel.



Now that you have completed the first three questions try the next few, they are a bit more challenging!

Scroll down.....

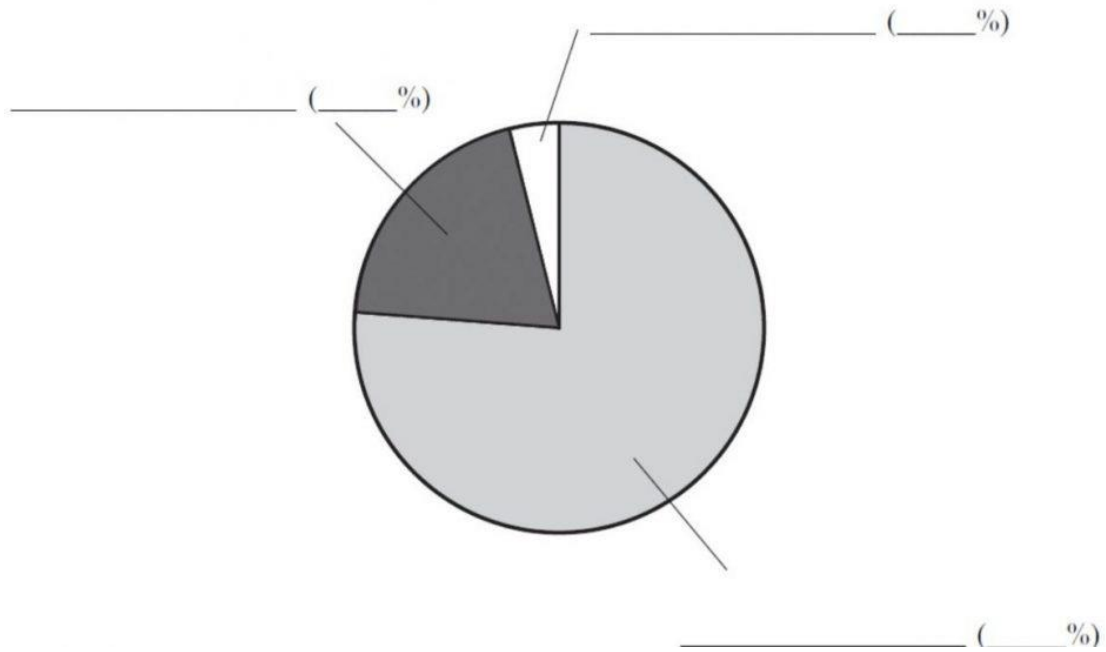
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Medical instruments can be made from a mixture of metals containing 76% titanium, 4% zirconium and the rest is other metals.

Label the pie chart to show the name and percentage for each part of the mixture.

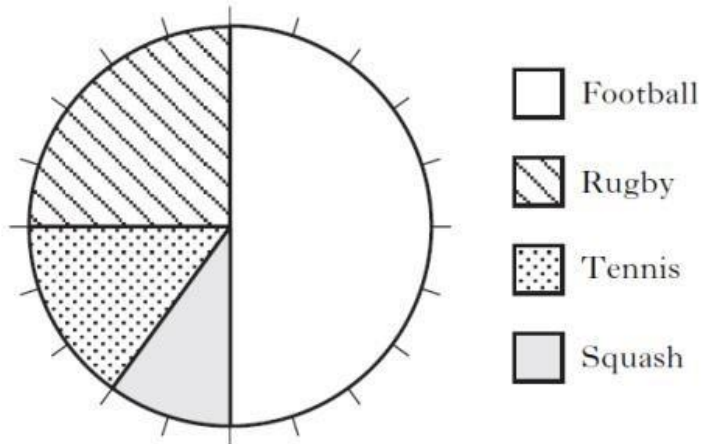
(An additional pie chart, if required, can be found on page 28.)



Level 2 & 3 Pie Charts

First three questions are level 2

The pie chart shows the proportions of injuries resulting from different sports recorded at a sports injury clinic.



(a) Which **one** of the following statements is correct?

Tick (✓) the correct box

More people were injured playing squash than tennis

More people were injured playing rugby than football

Fewer people were injured playing squash than rugby

Fewer people were injured playing football than tennis

1

(b) Which sport resulted in 15% of the total injuries?

\_\_\_\_\_

1

(c) The number of injuries from playing squash was 32.

How many injuries resulted from playing rugby?

\_\_\_\_\_

1

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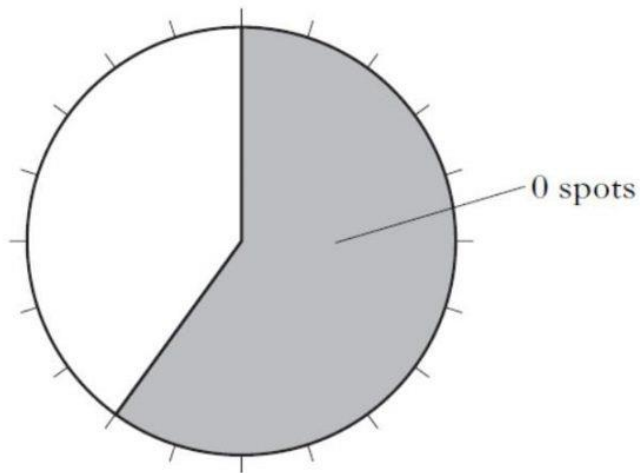
First three questions are level 2

The table shows the number of wing spots in a Scottish population of the butterflies.

<i>Number of spots on hind wing</i>	0	1	2	3
<i>Percentage of population</i>	60	20	15	5

Use the table to complete the pie chart below.

(An additional chart, if required, will be found on page 28.)

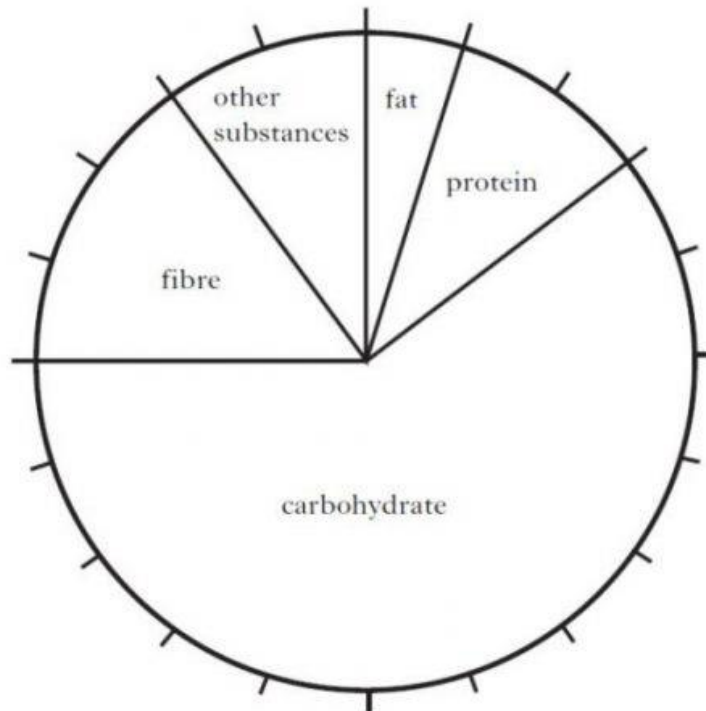


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First three questions are level 2

Oatmeal and wheatmeal are two cereal products.

(a) The pie chart below gives information about components found in oatmeal.



Wheatmeal contains less fibre and more protein than oatmeal.

The proportions of all the other components are the same.

(i) Use **all** information provided to complete the following table.

	<i>Component (%)</i>				
	<i>Protein</i>	<i>Carbohydrate</i>	<i>Fat</i>	<i>Fibre</i>	<i>Other substances</i>
Oatmeal			5		10
Wheatmeal	15			10	10

2

(ii) Calculate the mass of protein present in an 80 g portion of wheatmeal.

*Space for calculation*

\_\_\_\_\_ g

1

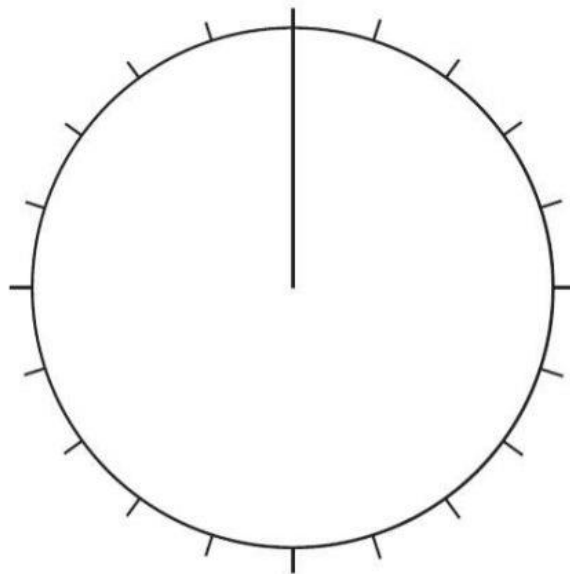
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First three questions are level 2

A manufacturer uses genetic engineering techniques to make a variety of products. The table below shows each product as a percentage of their total production in 2010.

<i>Product</i>	<i>Percentage of total production</i>
Antibiotics	30
Insulin	40
Detergents	20
Antifreeze	10

- (i) Use the information in the table to complete the pie chart.  
(An additional chart, if required, can be found on *Page twenty-eight*.)



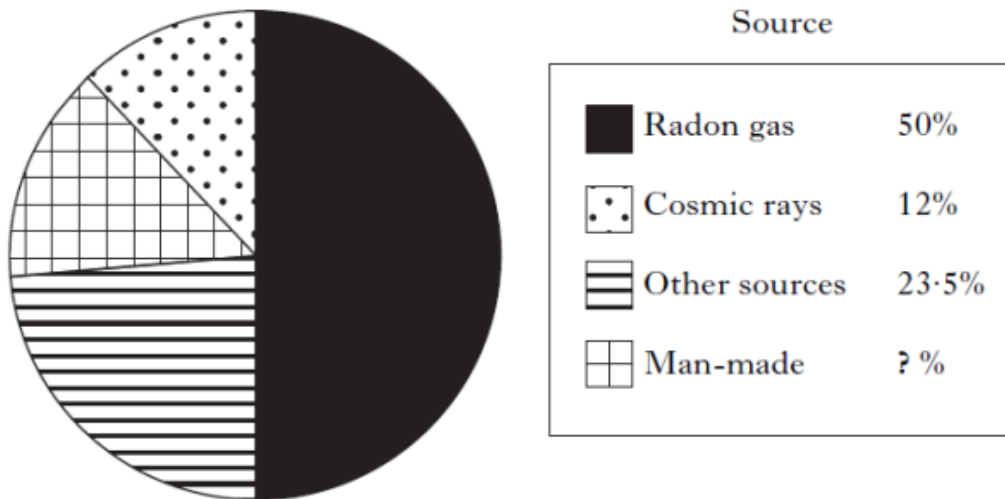


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The average annual radiation dose absorbed by a person in the UK is 2.5 millisieverts (mSv). Most of this radiation is natural but some comes from man-made sources. Radon, a gas produced by rocks such as granite, is the biggest natural source of radiation.

The pie chart shows the percentage of the annual radiation dose absorbed from different sources.



(a) Use the pie chart to calculate the percentage of the annual radiation dose from man-made sources.

..... % 2

(b) What is the average annual radiation dose, in millisieverts, obtained from the biggest source of natural radiation?

..... mSv 2