

## Read and Interpret Pie Charts

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1a. Ricky says,



I have enough information to work out the total number of votes.

Favourite Drink



Is he correct? Prove it.



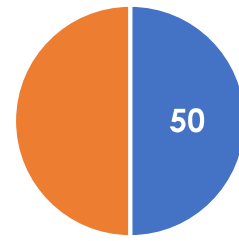
R

1b. Noni says,



I have enough information to work out the total number of votes.

Boys and Girls in Playgroup



■ Boys  
■ Girls

Is she correct? Prove it.



R

2a. Lottie has forgotten what fraction of the pie chart should be given to 'Girls'. Can you work out the fraction from the information below?

Number of Boys and Girls in the Class	
Boys	12
Girls	?
<b>Total</b>	<b>24 people</b>



PS

2b. Seth has forgotten what fraction of the pie chart should be given to 'King of the Ring'. Can you work out the fraction from the information below?

Favourite Book	
King of the Ring	?
Larry Trotter	20
Thunder Games	10
<b>Total</b>	<b>40 people</b>



PS

3a. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 50 people.

Would the 'More than 6' category have 20 people in it? Convince me.



R

3b. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 33 people.

Would the 'Savoury' category have 11 people in it? Convince me.



R

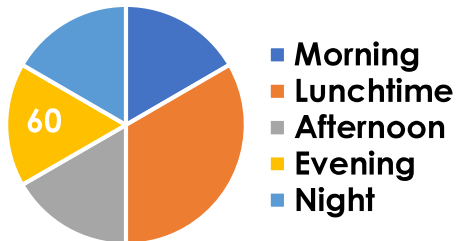
## Read and Interpret Pie Charts

4a. Phil says,



I do not have enough information to work out the total number of votes.

Favourite Time of Day



Is he correct? Prove it.



R

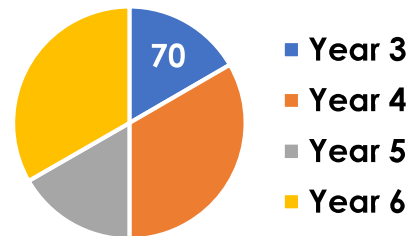
## Read and Interpret Pie Charts

4b. Rosie says,



I do not have enough information to work out the total number of votes.

Favourite School Year



Is she correct? Prove it.



R

5a. Fiona has forgotten what fraction of the pie chart should be given to 'Italian'. Can you work out the fraction from the information below?

Nationality of Hotel Guests	
French	100
Spanish	100
Italian	?
German	50
<b>Total</b>	<b>300 people</b>



PS

5b. Ray has forgotten what fraction of the pie chart should be given to 'Elves'. Can you work out the fraction from the information below?

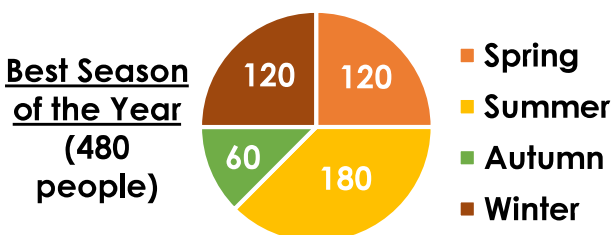
Favourite Group of Characters	
Witches	100
Elves	?
Dragons	50
Knights	50
<b>Total</b>	<b>250 people</b>



PS

6a. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 640 people.

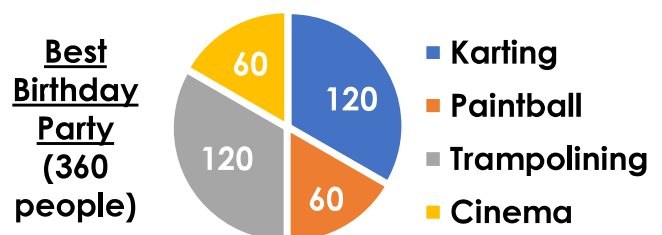
Would the 'Spring' category have 80 people in it? Convince me.



R

6b. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 540 people.

Would the 'Paintball' category have 90 people in it? Convince me.



R

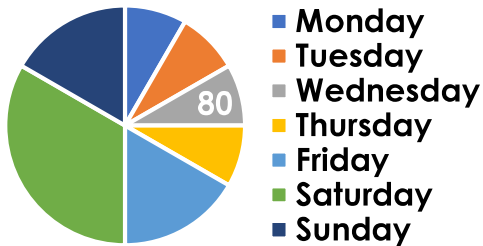
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7a. Felicity says,



I do not have enough information to work out the number of votes.

Best Day of the Week



Is she correct? Prove it.



R

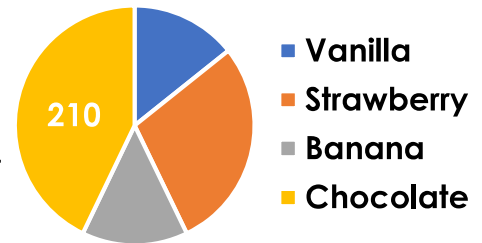
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7b. Tom says,



I do not have enough information to work out the total number of votes.

Favourite Ice Cream



Is he correct? Prove it.



R

8a. Bret has forgotten what fraction of the pie chart should be given to 'Europe'. Can you work out the fraction from the information below?

Continent Living On	
Europe	?
North America	240
South America	80
Asia	160
Oceania	80
<b>Total</b>	<b>720 people</b>



PS

8b. Asha has forgotten what fraction of the pie chart should be given to the '2000s'. Can you work out the fraction from the information below?

Favourite Music Era	
1970s	70
1980s	140
1990s	140
2000s	?
2010s	140
<b>Total</b>	<b>840 people</b>

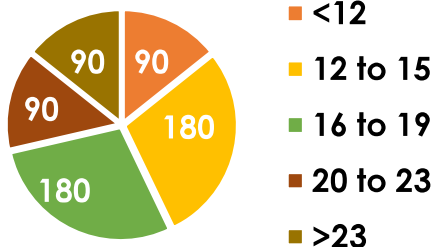


PS

9a. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 560 people.

Would the '<12' category have 70 people in it? Convince me.

Time Taken to Run 100m in Seconds  
(630 people)

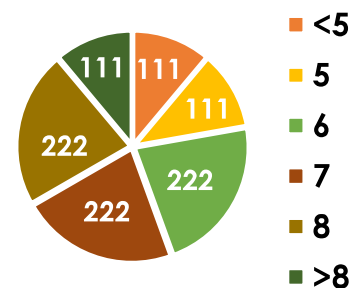


R

9b. Imagine a pie chart with the same proportions as the one below was drawn for a survey of 810 people.

Would the '5' category have 80 people in it? Convince me.

Number of Hours Sleep  
(999 people)



R