



"Crude Oil Pie"



Directions for Part 1:

Use the Crude Oil data to determine the following:

- Match the percent to the pie slice. Label the slice with the percent. (*Hint: The size of the slice is related to the "size" of the number.*) **(Grade 6 and above)**
- Use the percent to determine the number of gallons from each barrel that are used to create each product. (*Hint: There are 44.2 gallons in each barrel of crude oil.*) **(Grade 6 and above)**

Directions for Part 2:

Use the Crude Oil data to determine the following:

- Match the Gallons to the pie slice. Label the slice. (*Hint: The size of the slice is related to the "size" of the number.*) **(Grade 6 and above)**
- Use the number of gallons used to create each product to determine the percent of each barrel. **(Grade 6 and above)**

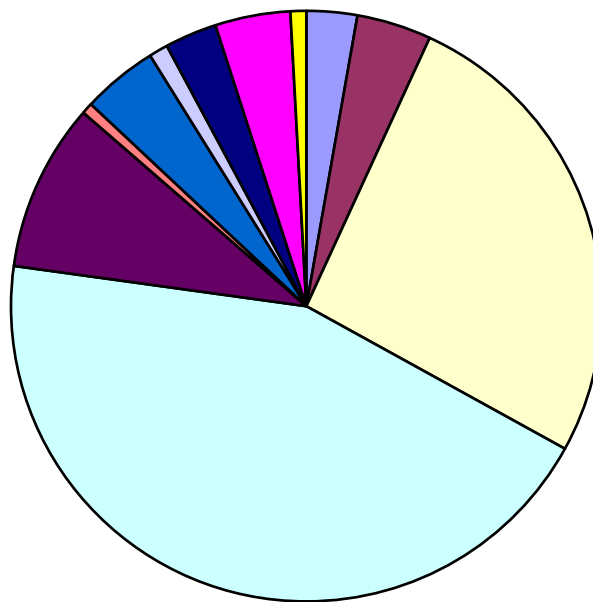
Challenge:

- Use the Crude Oil data to create a pie graph. Use the percentages to determine the central angles. Color-code and label each section. Create a *Legend* for your graph. **(Grade 6 and above)**

Crude Oil Pie, Part 1



Product	Percent (%)	Gallons
Asphalt and Road Oil	2.9	
Coke	4.1	
Fuel Oil	26	
Gasoline	44.1	
Jet Fuel	9.3	
Kerosene	0.5	
Liquefied Gases	4.3	
Lubricants	1.1	
Petrochemicals	2.7	
Still Gases	4.3	
Other	0.7	

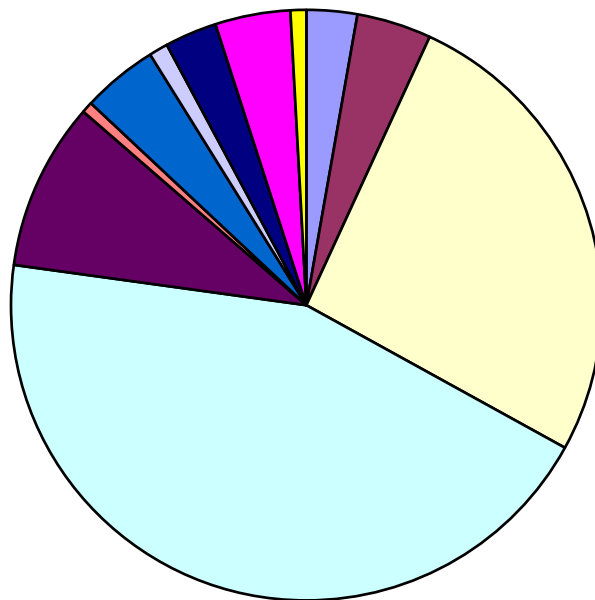


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|----------------------|-------------|-----------------|------------|
| Asphalt and Road Oil | Coke | Fuel Oil | Gasoline |
| Jet Fuel | Kerosene | Liquefied Gases | Lubricants |
| Petrochemicals | Still Gases | Other | |

Crude Oil Pie, Part 2



Product	Percent (%)	Gallons
Asphalt and Road Oil		1.3
Coke		1.8
Fuel Oil		11.5
Gasoline		19.5
Jet Fuel		4.1
Kerosene		0.2
Liquefied Gases		1.9
Lubricants		0.5
Petrochemicals		1.2
Still Gases		1.9
Other		0.3



Challenge



Product	Percent (%)	Gallons
Asphalt and Road Oil	2.9	1.3
Coke	4.1	1.8
Fuel Oil	26.0	11.5
Gasoline	44.1	19.5
Jet Fuel	9.3	4.1
Kerosene	0.5	0.2
Liquefied Gases	4.3	1.9
Lubricants	1.1	0.5
Petrochemicals	2.7	1.2
Still Gases	4.3	1.9
Other	0.7	0.3

