


MasterMath



Statistics
CIRCLE GRAPHS

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Question: What is the favorite participation sport of 13 year olds in Pamela City, Arkansas

Survey

Population?

Sample

CIRCLE GRAPHS

Question: What is the favorite participation sport of 13 year olds in Pamela City, Arkansas

Sample

Option 1: six people surveyed at PC Mall

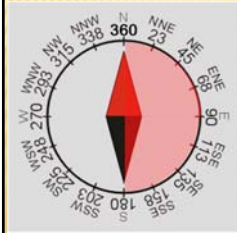
Option 2: 40 boys surveyed at baseball game

Option 3: 100 students at PC MS cafeteria

CIRCLE GRAPHS

Sport	Frequency	%
Tennis	9	9%
Racquetball	4	4%
Basketball	18	18%
Soccer	23	23%
Football	12	12%
Fishing	5	5%
Gymnastics	10	10%
Softball	19	19%

Sport	%
Racquetball	4%
Fishing	5%
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Gymnastics	10%
Football	12%
Basketball	18%
Softball	19%
Soccer	23%



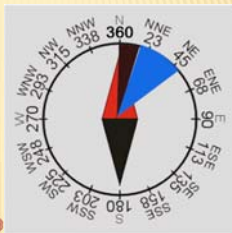
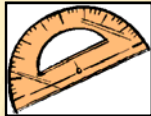
25% of 360° = 90°

50% of 360° = 180°



CIRCLE GRAPHS

Sport	%
Racquetball	4%
Fishing	5%
Tennis	9%
Gymnastics	10%
Football	12%
Basketball	18%
Softball	19%
Soccer	23%

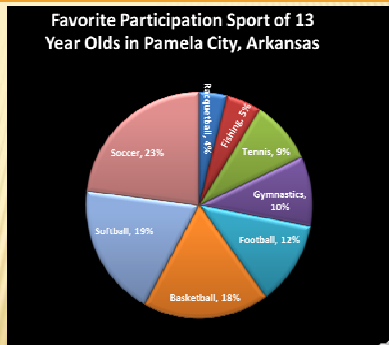


Fishing: 5%
 5% of 360° = 18°
 Tennis: 9%
 9% of 360° = 32.4°



CIRCLE GRAPHS

Sport	%
Racquetball	4%
Fishing	5%
Tennis	9%
Gymnastics	10%
Football	12%
Basketball	18%
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Soccer	23%



CIRCLE GRAPHS

Which vegetable was most popular?

Compare the popularity of peppers to broccoli

The survey included 100 shoppers. About how many liked Spinach best?

Vegetable	Percentage
Corn	15%
Broccoli	15%
Spinach	24%
Pepper	46%

You Try

CIRCLE GRAPHS

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CIRCLE GRAPHS

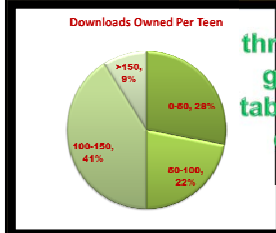
Music Downloads Owned	
0-50	28%
50-100	22%
100-150	41%
>150	9%

You wanted to know how many music downloads teens typically owned. You surveyed thousands of kids at middle schools throughout the country and gathered the data in this table. Was your sample well chosen? Draw a Circle Graph of the results.

You Try It!

CIRCLE GRAPHS

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You Try

CIRCLE GRAPHS

Now, try it on your own. Go to www.MasterMath.info download [Circle Graphs](#) from the Worksheets Page, and test your skill. Then see how much you understand by taking the Subject Quiz