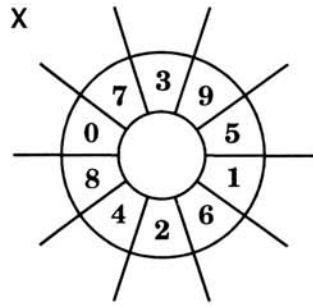
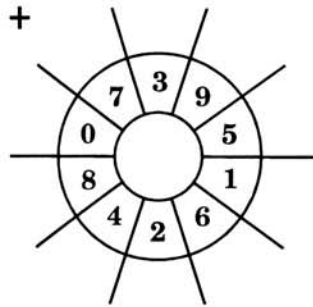


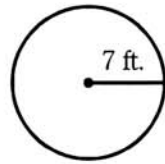
**Speed Drills**

**Review Exercises**



1. Find the area.

2. Find 15% of 65.



3.  $\frac{3}{5} \times 2\frac{1}{2} =$

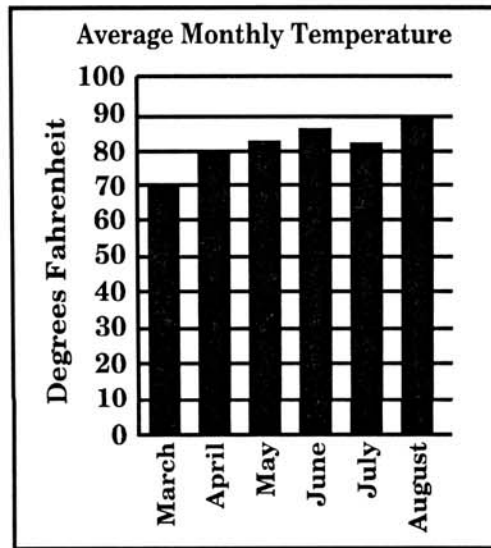
4.  $3\frac{1}{2} \div 2 =$

**Helpful Hints**

Bar graphs are used to compare information.

1. Read the title.
2. Understand the meaning of the numbers. Estimate, if necessary.
3. Study the data.
4. Answer the questions, showing work if necessary.

Use the information in the graph to answer the questions.



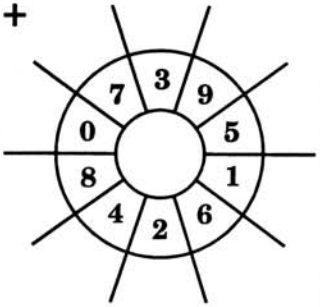
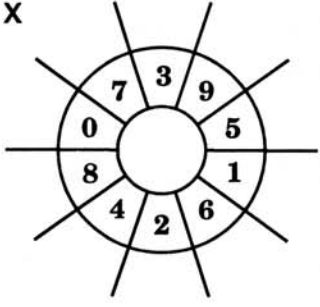
- S. Which month had the second lowest average temperature?
- S. How many degrees cooler was the average temperature in April than in August?
1. In which month was the average temperature 81°?
2. In which month did the average temperature drop from the previous month?
3. Which month had the second highest average temperature?
4. How much warmer was the average temperature in August than in May?
5. For what month did the average temperature rise the most from the previous month?
6. Which months had average temperatures less than July's average temperature?

7. Which two month's average temperatures were the closest?
8. The coolest day in August was 77°. How much less than the average temperature was this?
9. What was the increase in average temperature from May to June?
10. Which months had an average temperature less than May's?

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<b>Score</b>	

**Problem Solving**

A fence around a garden is in the shape of a circle. If its diameter is 12 yards, what is the distance around the fence?

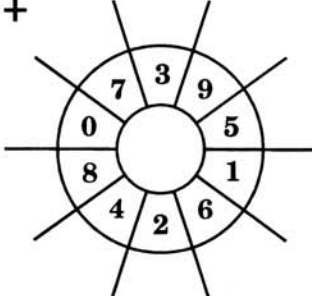
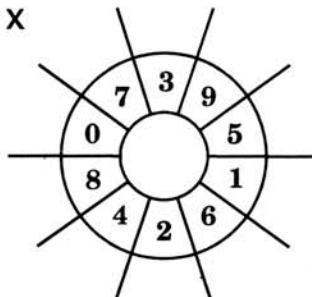
Speed Drills	Review Exercises
<p>+</p>  <p>x</p> 	<p>1. <math>3\frac{1}{2} \div 2 =</math>                      2. <math>2\frac{1}{2} \div 2 =</math></p> <p>3. <math display="block">\begin{array}{r} \frac{3}{8} \\ + \frac{5}{8} \\ \hline \end{array}</math>                      4. <math display="block">\begin{array}{r} 7\frac{3}{5} \\ + 6\frac{4}{5} \\ \hline \end{array}</math></p>

<b>Helpful Hints</b>	<p>To add decimals, line up the decimal points and add as you would whole numbers. Write the decimal points in the answer. Zeroes may be placed to the right of the decimal.</p>	<p><b>Example:</b></p> $\begin{array}{r} 3.16 \\ 2.40 \\ + 12.00 \\ \hline 17.56 \end{array}$
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<p>S. <math display="block">\begin{array}{r} 3.16 \\ 12.4 \\ + 3.26 \\ \hline \end{array}</math></p>	<p>S. <math>3.92 + 4.6 + .32 =</math></p>	<p>1. <math>32.16 + 1.7 + 7.493 =</math></p>	1
<p>2. <math>7.341 + 6.49 + .6 =</math></p>	<p>3. <math display="block">\begin{array}{r} 7.64 \\ 19.633 \\ + 2.4 \\ \hline \end{array}</math></p>	<p>4. <math>.37 + .6 + .73 =</math></p>	2
<p>5. <math>9.64 + 7 + 1.92 + .7 =</math></p>	<p>6. <math>72.163 + 11.4 + 63.42 =</math></p>	<p>7. <math>.7 + .6 + .4 =</math></p>	3
<p>8. <math>17.33 + 6.994 + .72 =</math></p>	<p>9. <math display="block">\begin{array}{r} 7.642 \\ 17.63 \\ 2.143 \\ + 14.64 \\ \hline \end{array}</math></p>	<p>10. <math>19.2 + 7.63 + 4.26 =</math></p>	4
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			<b>Score</b>

**Problem Solving**

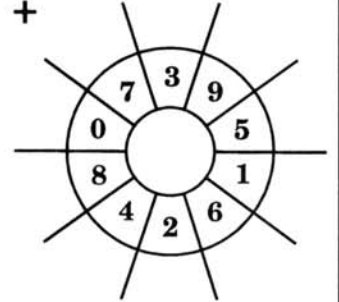
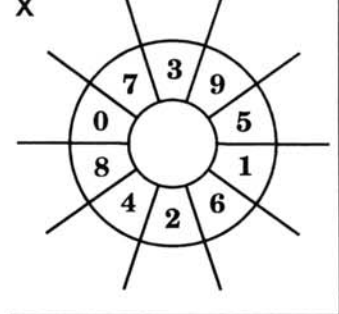
In January it rained 3.6 inches, in February, 4.3 inches, and in March, 7.9 inches. What was the total amount of rainfall for the three months?

Speed Drills	Review Exercises
<p><b>+</b></p>   <p><b>x</b></p> 	<p>1. <math>2\frac{1}{2}</math> <math>- 2\frac{1}{3}</math> _____</p> <p>2. <math>3\frac{1}{4}</math> <math>+ 2\frac{1}{2}</math> _____</p> <p>3. <math>\frac{7}{10} \div \frac{3}{14} =</math></p> <p>4. <math>\frac{4}{5} \div \frac{1}{3} =</math></p>
<p><b>Helpful Hints</b></p>	<p>Use what you have learned to solve the following problems.      <b>Examples:</b></p> <p>A farmer has 210 cows. If he sells 40% of them, how many does he sell?  <math>40\% \text{ of } 210 = .4 \times 210 = \begin{array}{r} 210 \\ \times .4 \\ \hline 84.0 \end{array}</math> He sold 84 cows.</p> <p>In a class of 24 students, 18 are girls. What percent are girls?  <math>18 \text{ is what } \% \text{ of } 24? \frac{18}{24} = \frac{3}{4} = .75 = 75\%</math></p> <div style="float: right; text-align: right;"> <math display="block">\begin{array}{r} 3.00 \\ - 28 \\ \hline 20 \\ - 20 \\ \hline 0 \end{array}</math> <p>75% are girls.</p> </div>

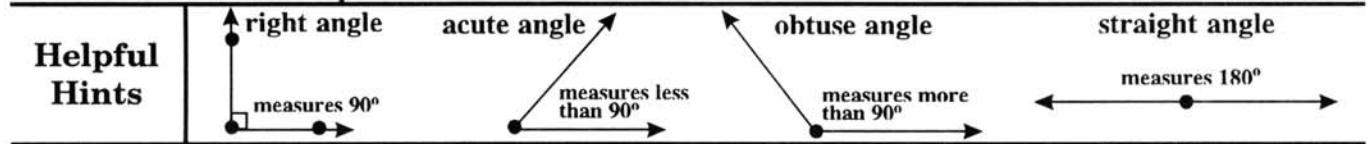
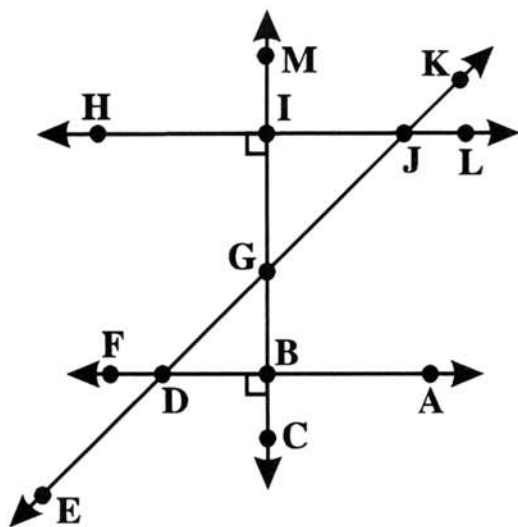
S. A test has 40 problems. A student got 80% of them correct. How many problems did he get correct?	S. Sue has finished 6 problems on a test. If there are 24 problems on the test, what percent has she finished?	1	
1. A ranch has 500 acres of land. If 60% of the land is used for grazing, then how many acres are used for grazing?	2. A player took 15 shots. If he made 9 of them, what percent did he make?	2	
3. A man earned 24 dollars and spent 60% of it. How much did he spend?	4. A test has 45 questions. If Jane got 36 correct, what percent did she get correct?	3	
5. 27 is what percent of 36?	6. Find 24% of 60.	4	
7. There are 400 students in a school. If 60% eat cafeteria food, how many students eat cafeteria food?	8. A baseball team played 20 games and won 18. What percent did they lose?	5	
9. A car costs \$6,000. If a down payment of 20% is required, how much is the down payment?	10. 60 players tried out for a team. If only 12 made the team, what percent made the team? What percent didn't make the team?	6	
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		<b>Score</b>	

**Problem Solving**

A student's test scores were 84, 96, 80, and 76. What was the student's average test score?

Speed Drills	Review Exercises	
<p>+</p> 	<p>1. 6 is what % of 8?</p>	<p>2. Find 15% of 225.</p>
<p>x</p> 	<p>3. A man had 300 cows and decided to sell 15% of them. How many cows did he sell?</p>	<p>4. Sue took a test with 20 problems. If she got 14 of the problems correct, then what percent of the problems did she get correct?</p>

**Helpful Hints**

Use the figure to answer the following:

- S. Name 4 right angles
- S. Name 5 acute angles
1. Name 5 obtuse angles
2. Name 5 straight angles
3. What kind of angle is  $\angle IJG$ ?
4. What kind of angle is  $\angle EDB$ ?
5. What kind of angle is  $\angle GBD$ ?
6. What kind of angle is  $\angle GJK$ ?
7. Name an acute angle which has J as its vertex.
8. Name an obtuse angle which has D as its vertex.
9. Name a right angle which has B as its vertex.
10. Name a straight angle which has D as its vertex.

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<b>Score</b>	

**Problem Solving**

A rope is 1.7 meters long. If a man wants to cut it into 5 pieces of equal length, how long will each piece be?