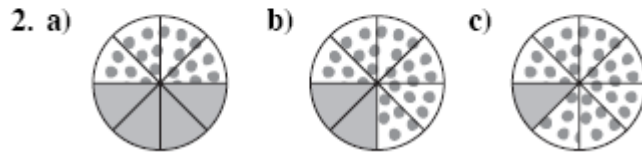
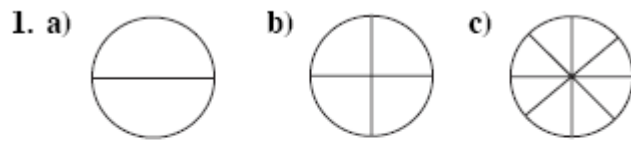


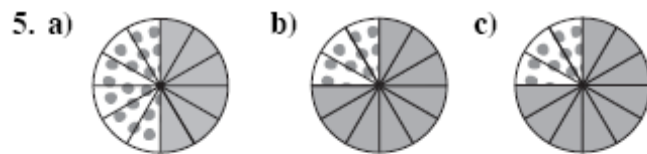
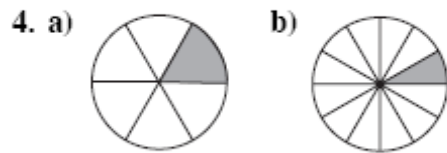
*Math Essentials 10* Teacher Learning Centre  
Answer Links

<Section 6.1 Answers>

Answers to Activity Questions (pages 124–126)



3. a)  $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$     b)  $\frac{1}{4} = \frac{2}{8}$     c)  $\frac{3}{4} = \frac{6}{8}$



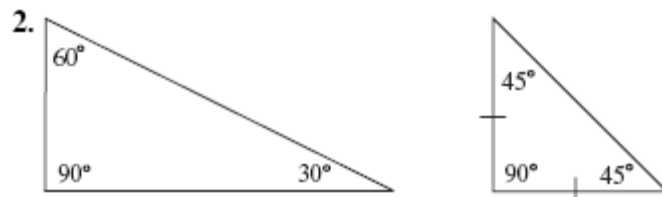
6. a)  $3, \frac{3}{6}$     b)  $6, \frac{6}{12}$     c)  $2, \frac{2}{8}$

d)  $6, \frac{6}{8}$     e)  $3, \frac{3}{12}$

<Section 6.2 Answers>

Answers to Activity Questions (pages 129–131)

1. a)  $180^\circ$   
b) 4,  $90^\circ$   
c) 8,  $45^\circ$   
d) 6,  $60^\circ$   
e) 12,  $30^\circ$   
f) 1080,  $270^\circ$



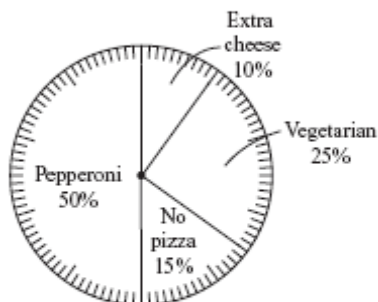
3. a) D  
b) A  
c) B  
d) C  
e) E
5. a)  $90^\circ$   
b)  $270^\circ$   
c)  $120^\circ$   
d)  $180^\circ$
6. a)  $50^\circ$   
b)  $25^\circ$   
c)  $95^\circ$   
d)  $85^\circ$   
e)  $40^\circ$   
f)  $65^\circ$

<Section 6.3 Answers>

Answers to Activity Questions (pages 133–135)

1. a)  $120; \frac{1}{2}, \frac{1}{10}, \frac{1}{4}, \frac{3}{20}, \frac{120}{120} = 1; 50\%, 10\%, 25\%, 15\%, 100\%$

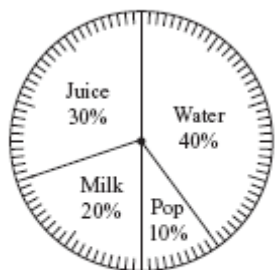
b) Student Council Pizza Survey



c) Example: A percent circle can show you where to divide the circle into sections for the indicated percents in your circle graph.

2. a)  $120; \frac{2}{5}, \frac{1}{10}, \frac{1}{5}, \frac{3}{10}, \frac{120}{120} = 1; 40\%, 10\%, 20\%, 30\%, 100\%$

b) Student Council Drink Survey



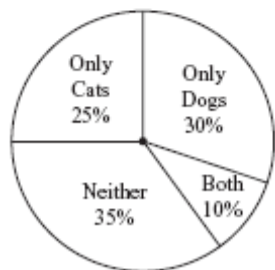
3. Answers may vary depending on survey results. Check that the tally sheet is complete, fractions and percents are calculated accurately, and the graph reflects the data.

<Section 6.4 Answers>

Answers to Activity Questions (pages 136–139)

1. a) television  
b) reading  
c)  $\frac{1}{2}$   
d) 25%
2. a) pop  
b) jazz  
c) pop and hip hop  
d)  $\frac{1}{4}$   
e) 30%
3. a) Example: Because there is a Dogs section and a Both section, some people may have been counted twice. This will affect the correctness of the percent of teenagers that have dogs.

b) Teen Pets



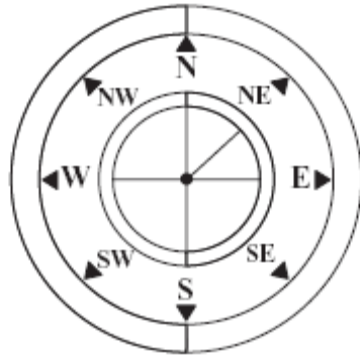
- c) 40%
4. a) 5%, 5%  
b) NO  
c) Example: The complaints look greater for Amy's Auto Repair because the slot is shaded in black with no division lines so it will appear larger than the equivalent section for Carl's Car Clinic.

<Section 6.5 Answers>

Answers to Activity Questions (pages 140–143)

1. a) north, east, south, west  
b)  $90^\circ$   
c)  $180^\circ$   
d)  $90^\circ$   
e)  $270^\circ$

2. a), b)



- c)  $45^\circ$   
d)  $90^\circ$   
e)  $180^\circ$   
f)  $135^\circ$
3. a) east  
b) southeast
4. b)  $90^\circ$ , east  
c) southeast (or diagonally)  
d)  $45^\circ$   
e) 2 blocks  
f) east or left  
g)  $\frac{1}{2}$  block, left or north

<Chapter 6 Review Answers>

Answers to Chapter 6 Review (pages 144–145)

1. c) compass rose
2. d) data
3. b) degree
4. e) survey
5. a) angle

6. a)  $\frac{4}{8} = \frac{1}{2}, 50\%$



b)  $\frac{3}{12} = \frac{1}{4}, 25\%$



7. a)  $30^\circ$
- b)  $90^\circ$
- c)  $60^\circ$

8. a) a little larger than  $45^\circ$   
b) a little less than  $180^\circ$   
c) a little less than  $90^\circ$
9. a)  $\frac{1}{2}$   
b) Example: This section takes up 50 markers out of 100 markers.  
c) 25%
10.  $30; \frac{1}{2}, \frac{1}{5}, \frac{3}{10}, \frac{30}{30} = 1; 50\%, 20\%, 30\%, 100\%$

**Lunch Choices**

