

Answer Key

Chapter 1 Review

1. Plan 2. 26 3. 24 4. 2 5. 6

When you enter the Middle School Math Club web site, you will gain math power.

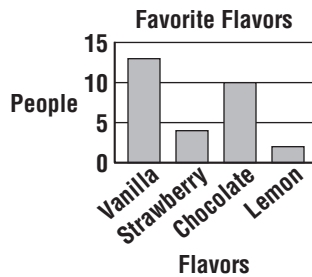
Lesson 2-1

3.

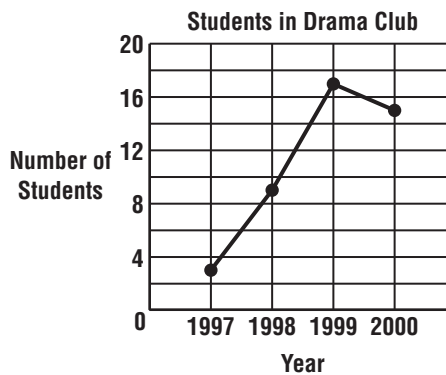
Points	Tally	Frequency
10	II	7
8	II	7
6		5
4		5

Lesson 2-2

1.



2.



Lesson 2-5

<p>5. <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>Stem</th> <th>Leaf</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2 5</td> </tr> <tr> <td>1</td> <td>4 5 6</td> </tr> <tr> <td>2</td> <td>2</td> </tr> </tbody> </table> $2 2 = 22$ </p>	Stem	Leaf	0	2 5	1	4 5 6	2	2	<p>6. <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>Stem</th> <th>Leaf</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>4 5</td> </tr> <tr> <td>3</td> <td>4 8</td> </tr> <tr> <td>4</td> <td>6</td> </tr> <tr> <td>5</td> <td>8</td> </tr> </tbody> </table> $5 8 = 58$ </p>	Stem	Leaf	2	4 5	3	4 8	4	6	5	8
Stem	Leaf																		
0	2 5																		
1	4 5 6																		
2	2																		
Stem	Leaf																		
2	4 5																		
3	4 8																		
4	6																		
5	8																		

7.

Stem	Leaf
0	2 5 6 8
1	0 2

 $1|2 = 12$

Chapter 2 Review

- Stock A, about \$20; stock B, about \$40; stock C, about \$10; stock D, about \$25
- Buy stock B because its value has increased the most over the past several months, and may possibly increase the most over the next several months.

Chapter 3 Review

- 3, 5, 4, 1, 6, 8, 7, 2
- 0.045 s
- 0.15 s
- 6.679 s
- 52.0 s, 52.0 s, 52.2 s

Working with decimals is fun and easy if you just try a little. Hard work makes easy math for you and me.

Chapter 4 Review

- 49.28
- 79.28
- 182.344
- 22.793
- 7.35
- 7.35

Chapter 5 Review

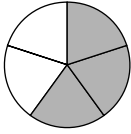
- \$0.80
- The candy bar; it costs \$1.20 and the granola bar costs \$1.25.
- | | | |
|---------------------|-----------------|--|
| banana (1) | $\frac{1}{8}$ | |
| paper towel (roll) | $1\frac{2}{5}$ | |
| one dozen eggs | $\frac{19}{20}$ | |
| hard candies (each) | $\frac{3}{10}$ | |

~~\$1.40~~
~~\$0.30~~
~~\$0.13~~
~~\$0.95~~
- $\$1\frac{1}{3}$

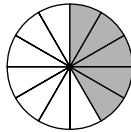
Answer Key

Chapter 6 Review

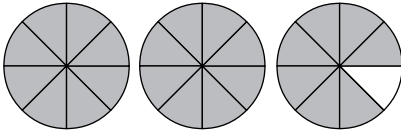
Round 1



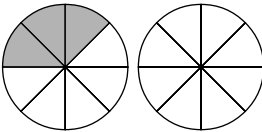
Round 2



Round 3

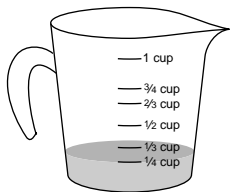


Round 4

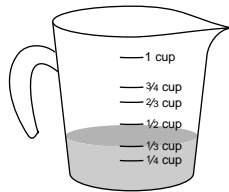


Chapter 7 Review

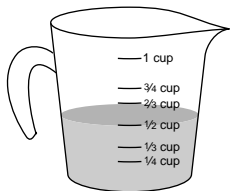
1.



2.

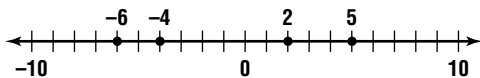


3.



Lesson 8-1

3-6.

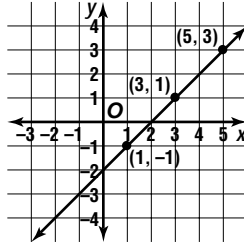


Chapter 8 Review

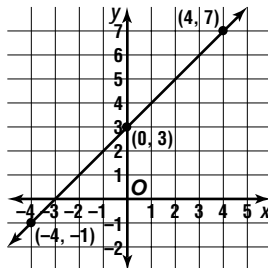
1. 2 2. 6 3. 17 4. 12 5. 16

Lesson 9-7

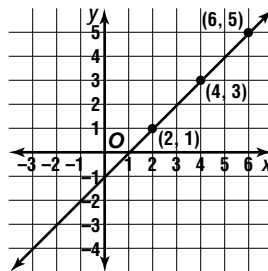
1.



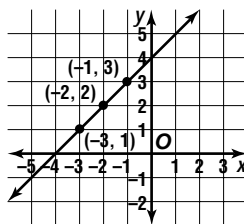
2.



3.



4.

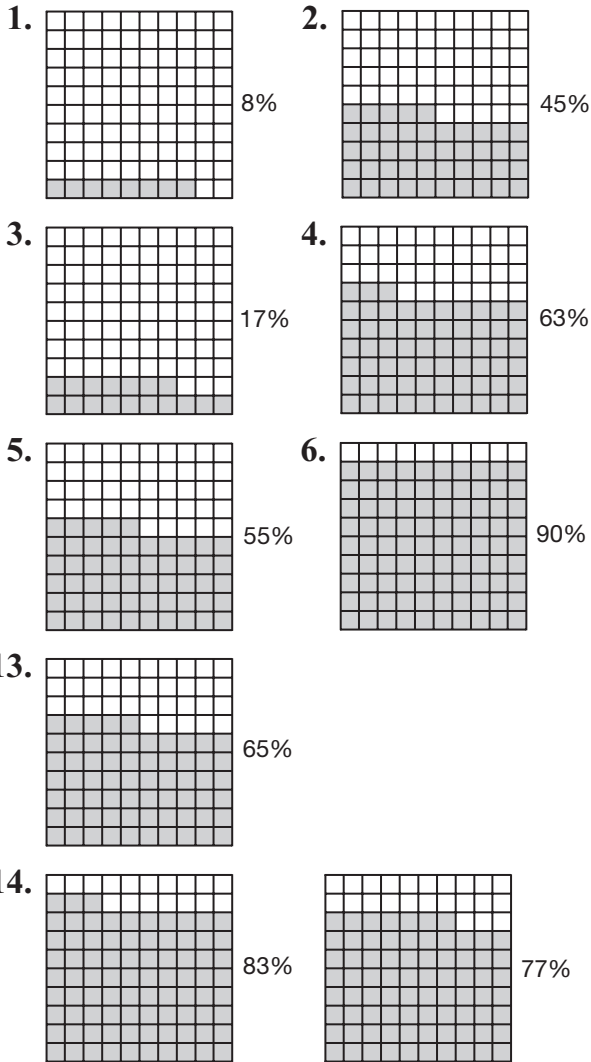


Chapter 9 Review

1. -2 2. 3 3. 2.3 4. 2 5. 1 6. $x + 4$

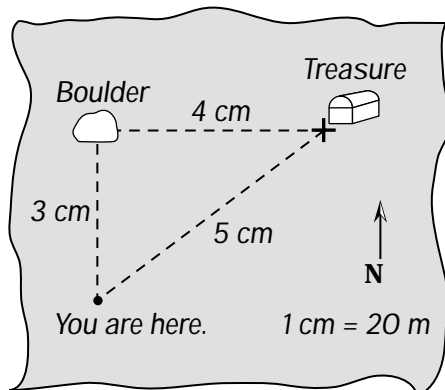
Answer Key

Lesson 10-4



Chapter 10 Review

1. 60 m 2. 48 m; 36 m
3.



Chapter 11 Review

1. Your family member. To land on the finish square, you would have to roll a 7. This is impossible, so it has probability 0. Your family member needs to roll a 5. This has probability $\frac{1}{6}$. So the probability of your family member landing on the finish square is greater than the probability of you landing on the finish square.

2. $\frac{1}{36}$ 3. $\frac{1}{36}$

Lesson 12-1

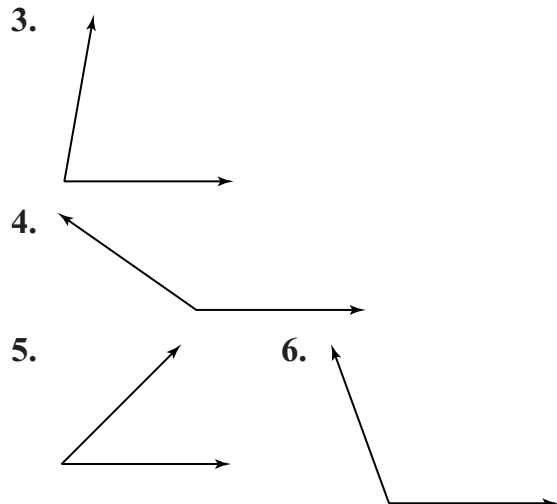
2. _____
6. _____
7. _____
8. _____

Chapter 12 Review

Answers will vary for measurements.

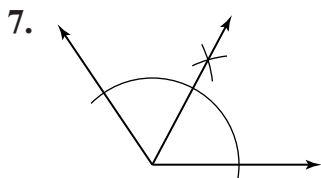
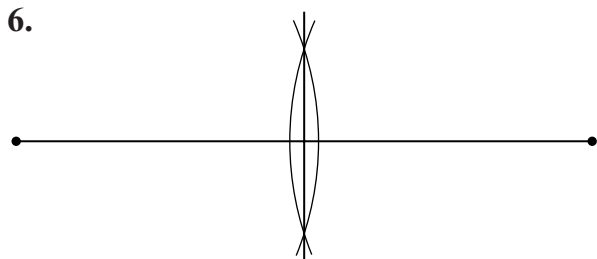
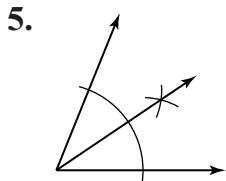
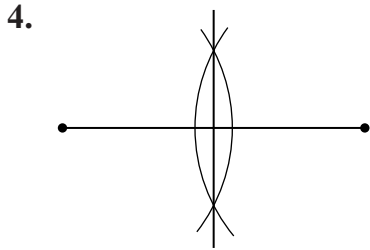
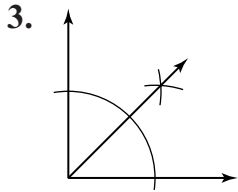
1. 12 in. in 1 ft 2. 100 cm. in 1 m
3. 5,280 ft in 1 mi 4. $\frac{1}{8}$ ft
5. 100 mm in 1 cm; 350 mm
6. 0.04 oz in 1 g; 0.16 oz

Lesson 13-2

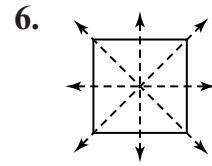
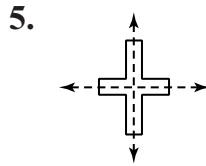
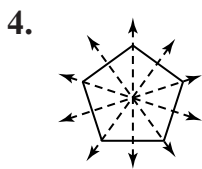
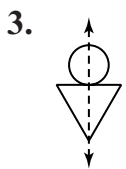


Answer Key

Lesson 13-3

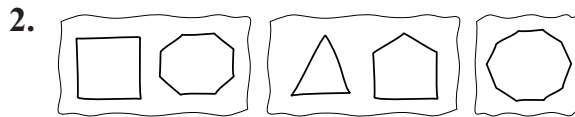


Lesson 13-5



Chapter 13 Review

1. The combination is 36-54-8. The number of sides of the polygons are the digits of the combination.



Chapter 14 Review

1. Yes. The area of the bull's-eye is $\pi(3)^2$, or about 28.26 cm^2 . The area of the whole target is $\pi(12)^2$, or about 452.16 cm^2 . One tenth of the area of the whole target is about 45.216 cm^2 , so the area of the bull's-eye is less than $\frac{1}{10}$ of the area of the whole target.

2. Container B. Prism C has a volume of 72 cm^3 . If you add that volume to the volume of water in container A (128 cm^3), you get 200 cm^3 , which is more than the volume of container A (192 cm^3). So, placing the prism in container A will cause the water to spill. If you place prism C into container B, which contains 225 cm^3 of water, the total volume of the prism and water is 297 cm^3 . This is less than the volume of container B (375 cm^3), so the water will not spill.