

# 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

1.

Digit	Tally	Frequency
0		1
1		4
2		2
3		1
4		1
5		1
6		1
7		1
8		1
9		1

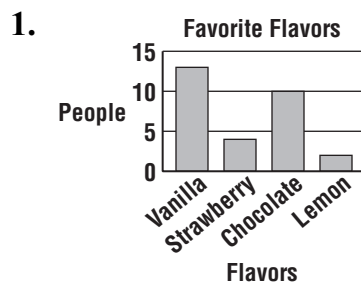
2.

Color	Tally	Frequency
red	### ##	12
white	###	6
yellow		3
pink		3

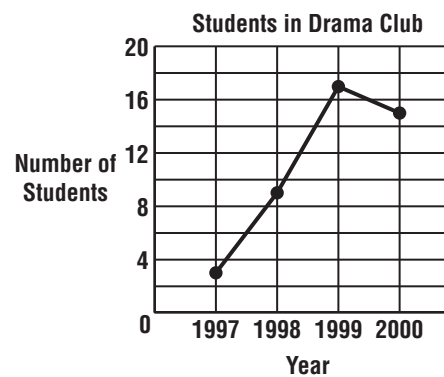
3.

Number of Channels	Tally	Frequency
10	###	7
8	###	7
6	###	5
4	###	5

## Lesson 2-3



3.



## Lesson 2-6

5. 

Stem	Leaf
0	2 5
1	4 5 6
2	2

 $2|2 = 22$

6. 

Stem	Leaf
2	4 5
3	4 8
4	6
5	8

 $5|8 = 58$

7. 

Stem	Leaf
0	2 5 6 8
1	0 2

 $1|2 = 12$

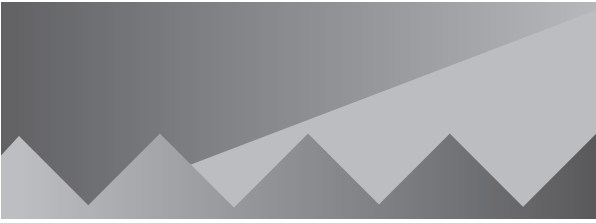
## Chapter 2 Review

1. Stock A, about \$20; stock B, about \$40; stock C, about \$10; stock D, about \$25
2. 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

1. 3, 5, 4, 1, 6, 8, 7, 2
2. 0.045 s
3. 0.15 s
4. 6.679 s
5. 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.



# Answer Key

## Chapter 4 Review

1. 49.28   2. 79.28   3. 182.344  
4. 22.793   5. 7.35   6. 7.35

## Lesson 5-6

2. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

## Chapter 5 Review

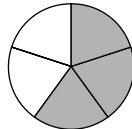
1. \$0.80   2. The candy bar; it costs \$1.20 and the granola bar costs \$1.25.

- |                     |   |                   |
|---------------------|---|-------------------|
| 3. banana (1)       | <del><math>\\$ \frac{1}{8}</math></del>   | <del>\$1.40</del> |
| paper towel (roll)  | <del><math>\\$ 1 \frac{2}{5}</math></del> | <del>\$0.30</del> |
| one dozen eggs      | <del><math>\\$ \frac{19}{20}</math></del> | <del>\$0.13</del> |
| hard candies (each) | <del><math>\\$ \frac{3}{10}</math></del>  | <del>\$0.95</del> |

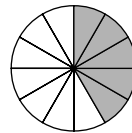
4.  $\$ 1 \frac{1}{3}$

## Chapter 6 Review

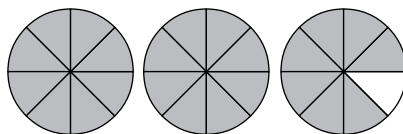
### Round 1



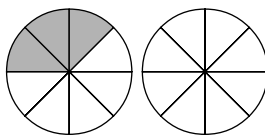
### Round 2



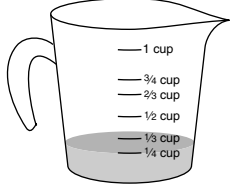
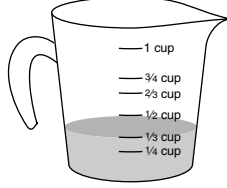
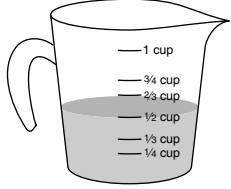
### Round 3



### Round 4

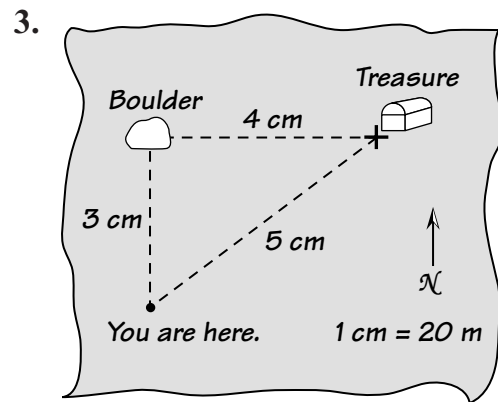


## Chapter 7 Review

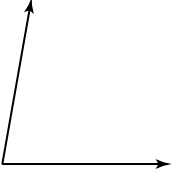
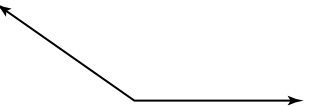
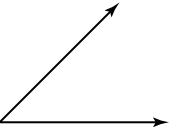
1. 
2. 
3. 

## Chapter 8 Review

1. 60 m   2. 48 m; 36 m

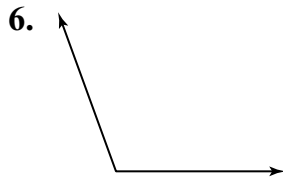


## Lesson 9-2

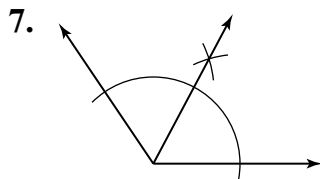
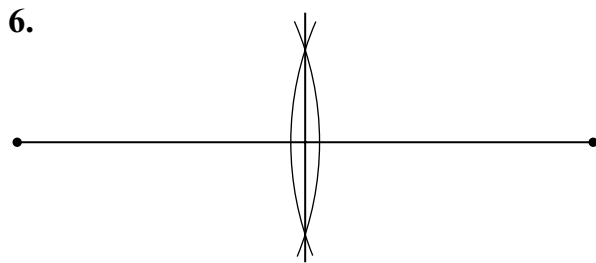
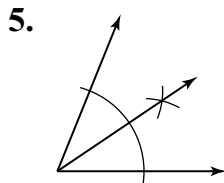
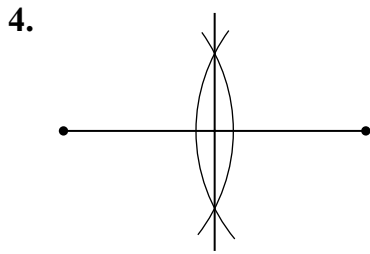
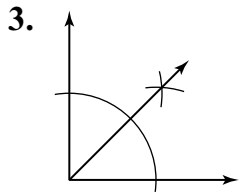
3. 
4. 
5. 



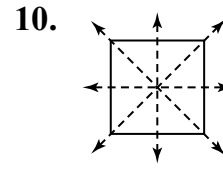
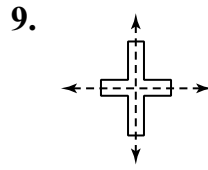
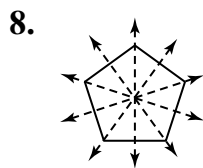
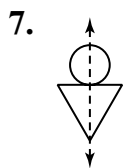
# Answer Key



## Lesson 9-3

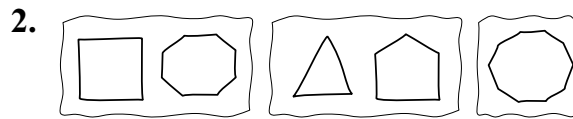


## Lesson 9-5



## Chapter 9 Review

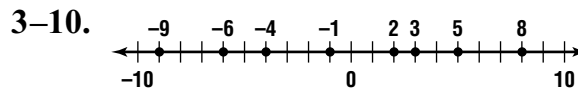
1. The combination is 36-54-8. The number of sides of the polygons are the digits of the combination.



## Chapter 10 Review

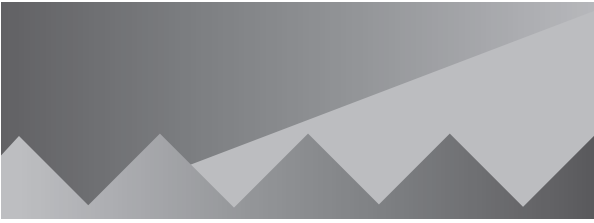
1. Yes. The area of the bull's-eye is  $\pi(3)^2$ , or about  $28.26 \text{ cm}^2$ . The area of the whole target is  $\pi(12)^2$ , or about  $452.16 \text{ cm}^2$ . One tenth of the area of the whole target is about  $45.216 \text{ cm}^2$ , so the area of the bull's-eye is less than  $\frac{1}{10}$  of the area of the whole target. 2. Container B. Prism C has a volume of  $72 \text{ cm}^3$ . If you add that volume to the volume of water in container A ( $128 \text{ cm}^3$ ), you get  $200 \text{ cm}^3$ , which is more than the volume of container A ( $192 \text{ cm}^3$ ). So, placing the prism in container A will cause the water to spill. If you place prism C into container B, which contains  $225 \text{ cm}^3$  of water, the total volume of the prism and water is  $297 \text{ cm}^3$ . This is less than the volume of container B ( $375 \text{ cm}^3$ ), so the water will not spill.

## Lesson 11-1



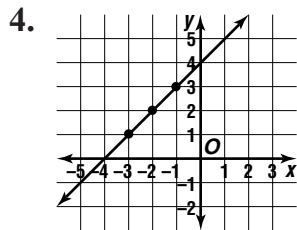
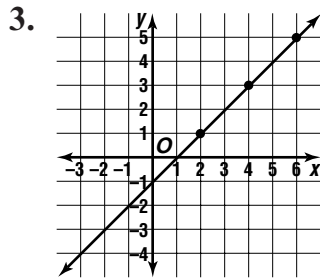
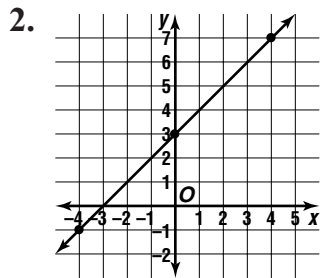
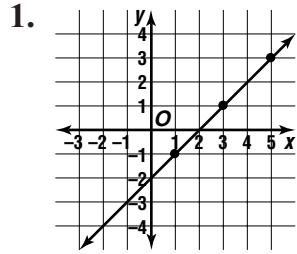
## Chapter 11 Review

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



# Answer Key

## Lesson 12-6



## Chapter 13 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.  $\frac{1}{36}$

## Chapter 12 Review

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