

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

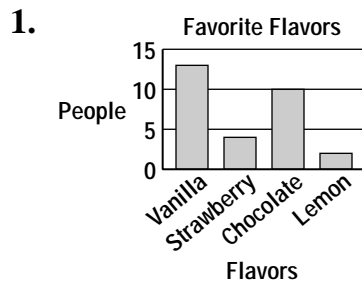
2.

Color	Tally	Frequency
red		12
white		6
yellow		3
pink		3

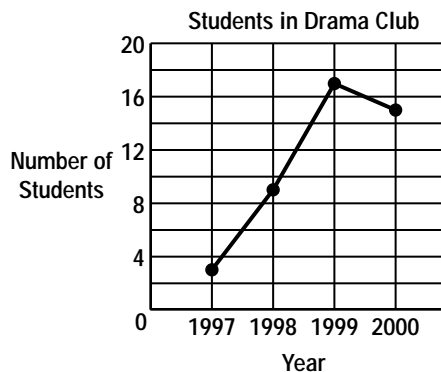
3.

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

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

- 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.

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

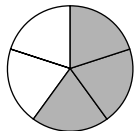
2. _____
6. _____
7. _____
8. _____

Chapter 5 Review

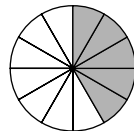
1. \$0.80 2. The candy bar; it costs \$1.20 and the granola bar costs \$1.25.
3. banana (1) $\$ \frac{1}{8}$ $\$1.40$
paper towel (roll) $\$1 \frac{2}{5}$ $\$0.30$
one dozen eggs $\$ \frac{19}{20}$ $\$0.13$
hard candies (each) $\$ \frac{3}{10}$ $\$0.95$
4. $\$1 \frac{1}{3}$

Chapter 6 Review

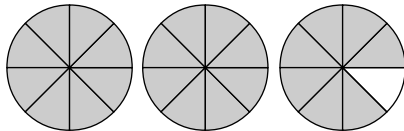
Round 1



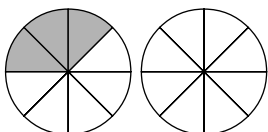
Round 2



Round 3



Round 4



Chapter 7 Review

1. 2.
3.

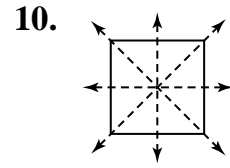
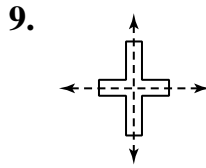
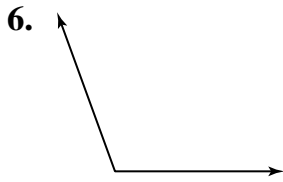
Chapter 8 Review

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

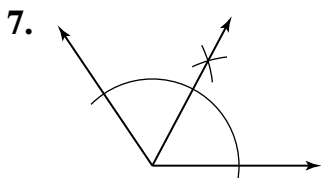
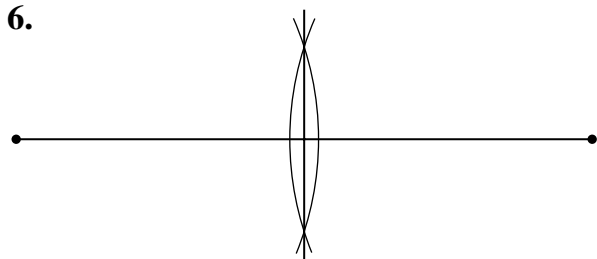
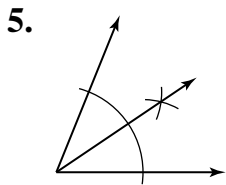
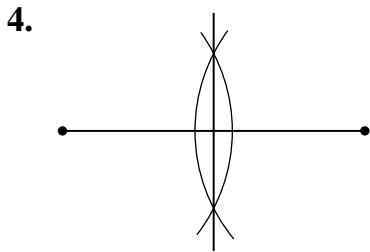
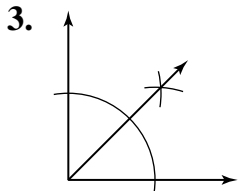
Lesson 9-2

- 3.
- 4.
- 5.

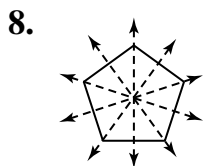
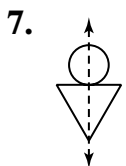
Answer Key



Lesson 9-3

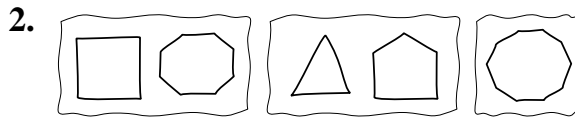


Lesson 9-5



Chapter 9 Review

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

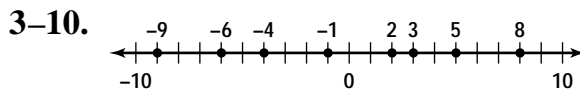


Chapter 10 Review

1. Yes. The area of the bull's-eye is $\pi(3)^2$, or about 28.26 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.

Lesson 11-1

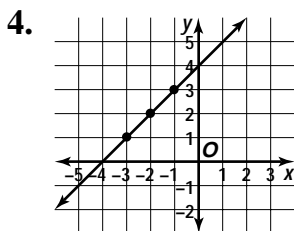
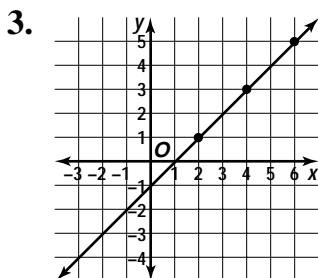
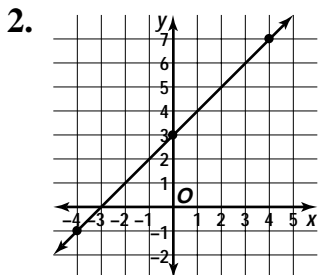
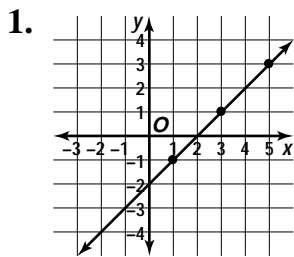


Chapter 11 Review

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

Answer Key

Lesson 12-6



Chapter 12 Review

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

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. $\frac{1}{36}$