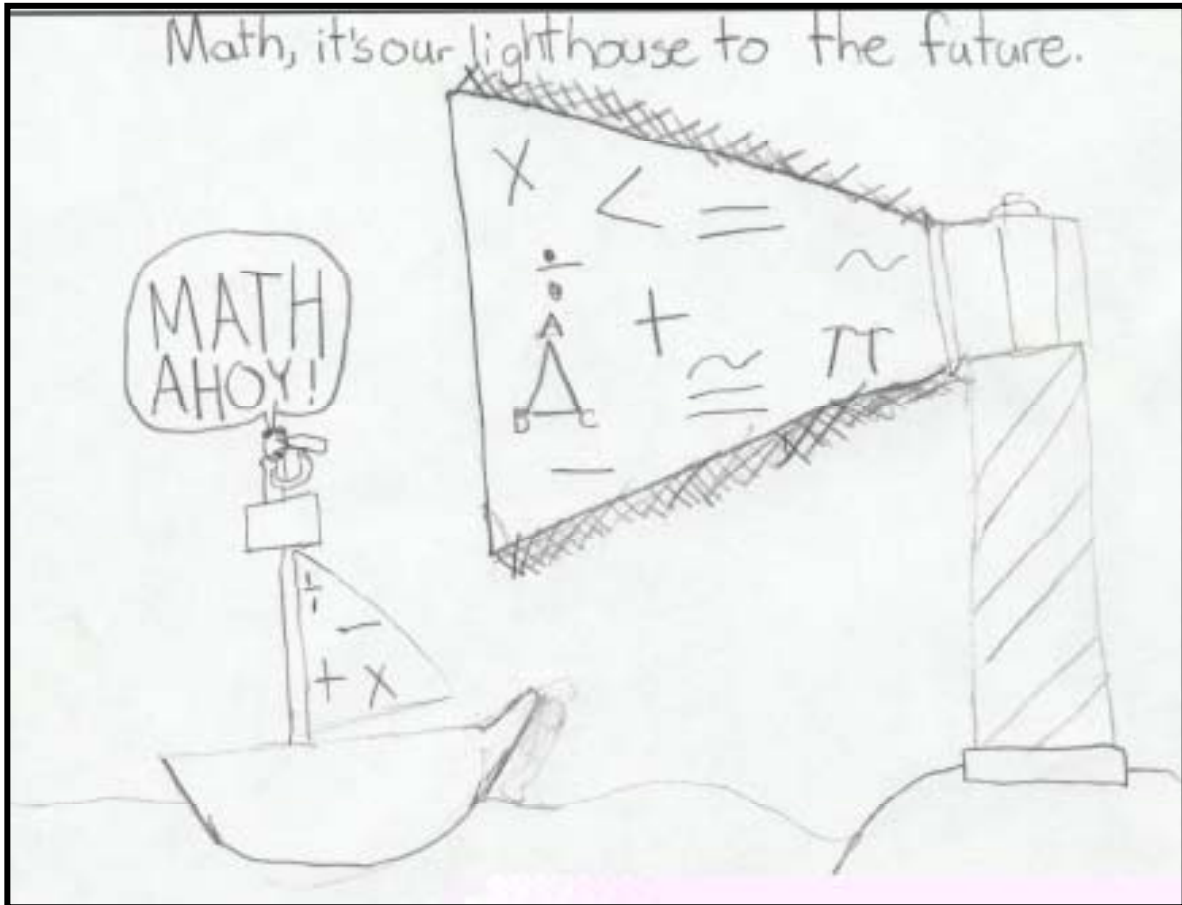# PARENT PACKET
# Sail into Summer with Math!



# For Students Entering Math 6

This summer math booklet was developed to provide students an opportunity to review grade level math objectives and to improve math performance.

**Summer 2008**

# Math 6 Summer Mathematics Packet Answer Key

### Answers to Write Numbers in Words and Digits [Pg. 1]

1. Five hundred sixty and eight tenths
2. Seven and sixteen hundredths
3. Fifty-four and forty-seven hundredths
4. Six thousand two hundred twenty-three
5. Five thousand six hundred and seven tenths

6. 1.045
7. 17.07
8. 23,029.6
9. 600.05
10. 208,304

### Answers to Add and Subtract Whole Numbers [Pg. 2]

| | | | | |
|---|---|---|---|---|
| 1. 13,735 | 2. 118,521 | 3. 4,914 | 4. 31,002 | 5. 88,685 |
| 6. 2,104 | 7. 22,560 | 8. 130 | 9. 4,345 | 10. 3,975 |

### Answers to Multiply and Divide Whole Numbers I [Pg. 3]

| | | | | | |
|---|---|---|---|---|---|
| 1. 63 | 2. 30 | 3. 56 | 4. 99 | 5. 54 | 6. 48 |
| 7. 294 | 8. 75 | 9. 4,613 | 10. 94 | 11. 405 | 12. 8 |
| 13. 13 | 14. 17 | 15. 7 | 16. 16 | 17. 277 | 18. 421 |

### Answers to Multiply and Divide Whole Numbers II [Pg. 4]

| | | | | | | |
|---|---|---|---|---|---|---|
| 40 | | 63 | | 42 | | 0 |
| 36 | 54 | 56 | 42 | 27 | 28 | 49 |
| 48 | | 28 | | 12 | | 56 |
| 21 | 56 | 9 | 20 | 54 | | |

### Answers to Multiplication II [Pg. 5]

| | | | |
|---|---|---|---|
| 1. 1,395 | 2. 570 | 3. 238 | 4. 357 |
| 5. 988 | 6. 874 | 7. 855 | 8. 1,344 |
| 9. 2,688 | 10. 1,890 | 11. 3,240 | 12. 2,112 |

### Answers to Multiply Fractions and Solve Proportions [Pg. 6]

| | | | | |
|---|---|---|---|---|
| 1. 1 | 2. $1\frac{1}{4}$ | 3. 1 | 4. $\frac{3}{4}$ | 5. $1\frac{3}{7}$ |
| 6. $\frac{2}{3}$ | 7. $2\frac{1}{4}$ | 8. N = 15 | 9. N = 3 | 10. N=3 |
| 11. N = 1 | 12. N = 4 | 13. N = 9 | 14. N = 30 | 15. N=12 |

## Answers to Division II [Pg. 7]

| | | | | |
|---|---|---|---|---|
| 1. 25 | 2. 65 | 3. 31 | 4. 19 | 5. 28 |
| 6. 27 | 7. 31 | 8. 205 | 9. 18 | |

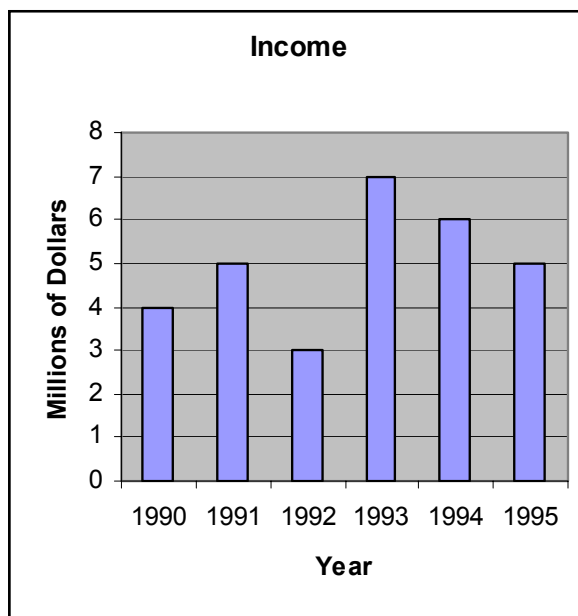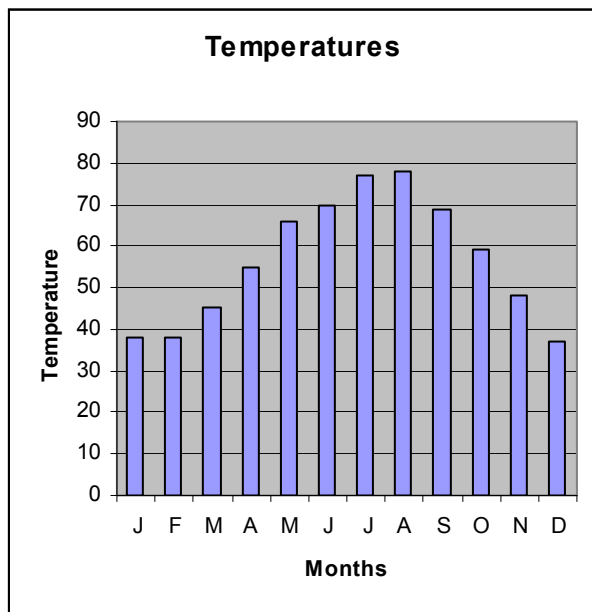## Answers to Find Percent of a Number [Pg. 8]

| | | | |
|---|---|---|---|
| 1. 135 | 2. 28 | 3. 3.2 | 4. 7.5 |
| 5. 192 | 6. 48 | 7. 52.2 | 8. 4.5 |
| 9. 75 | 10. 38.4 | 11. 675 | 12. 25.2 |
| 13. 46.8 | 14. 18 | 15. 43.5 | 16. 10.8 |

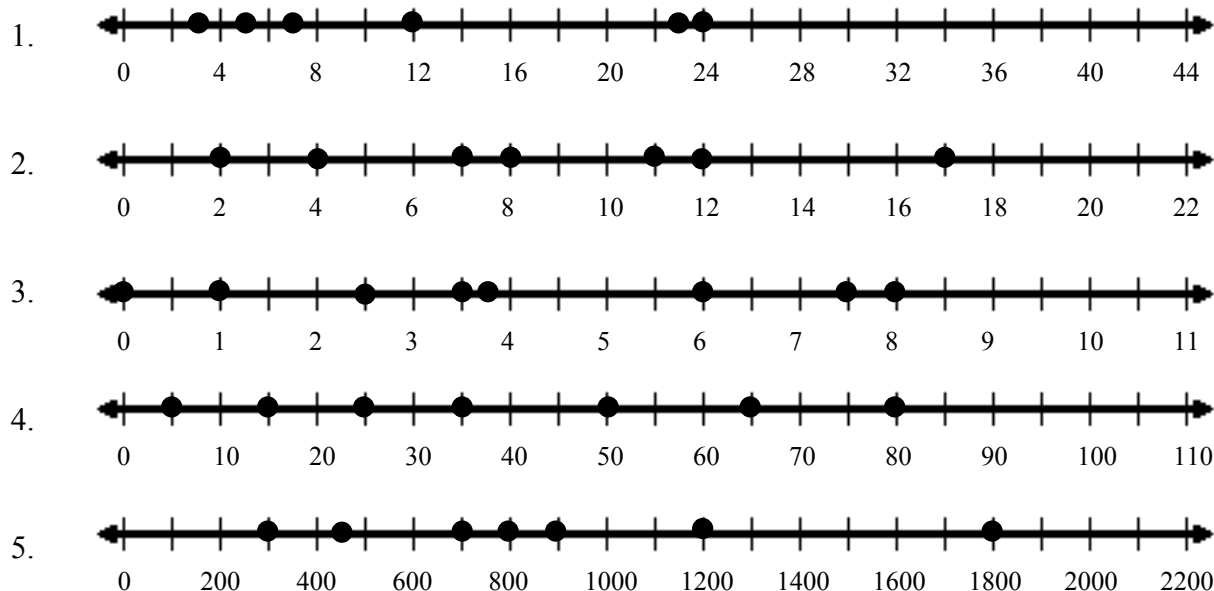## Answers to Reading Scales and Finding Area and Perimeter [Pg. 9]

1. A = 5 inches, B = 12 inches, and C = 3 inches    2. 16 degrees Celsius

3. 80 milliliters          4. a. 800          b. 36          c. 150

## Answers to Bar Graphs [Pg. 10]

# Answers to The Number Line [Pg. 11]

Possible Answers:

1.


2.


3.


4.


5.


## Answers to Choose an Appropriate Unit of Measure [Pg. 12]

|  | Standard | Metric |  | Standard | Metric |
|---|---|---|---|---|---|
| 1. | Gallons | Liters | 7. | Inches | Centimeters |
| 2. | Square inches | Square cm | 8. | Cubic inches | Cubic cm |
| 3. | Feet | Meters | 9. | Pounds | Kilograms |
| 4. | Ounces | Milliliters | 10. | Square inches | Square cm |
| 5. | Feet | Meters | 11. | Ounces | Grams |
| 6. | Cubic inches | Cubic cm |  |  |  |

## Answers to Find Elapsed Time [Pg. 13]

1. 6 hours 45 minutes       2. 10 hours       3. 11:30 a.m.

4. 3:15 p.m.       5. 2 hours 30 minutes

## Answers to Use Information from Tables and Graphs [Pg. 14]

1. The distance from Annapolis to Richmond is 175 kilometers.

2. The distance from New York to Baltimore is greater than the distance from Richmond to Baltimore by 70 kilometers.

3. According to the chart, Baltimore and Annapolis are the closest.

4. The difference in sales between May and June is about 50 dozen sodas.

5. March appears to have the greatest sales.

## Answers to Find the Average of a Set of Numbers [Pg. 15]

1. 88                    2. 143                    3. $45                    4. 39
5. 721                   6. 27

## Answers to Solve Money Problems [Pg. 16]

1. $192.00          2. $143.00          3. $675.00          4. $179.00
5. $4,350.00       6. $5,400.00       7. $32.00

## Answers to Solve Problems using Percent [Pg. 17]

1. $15.40                      2. $40.00                      3. $3,300.00
4. $49.50, $115.50       5. $120                        6. $10,000.00

## Answers to Make Change [Pg. 18]

1. 1 ten dollar bill, 1 five dollar bill, 2 one dollar bills, and 3 quarters.
2. 1 ten dollar bill, 3 quarters, and 1 dime.
3. 1 five dollar bill, 1 one dollar bill, and 2 quarters.
4. 4 one dollar bills and 1 quarter.
5. 4 one dollar bills and 1 nickel.
6. 1 five dollar bill, 1 quarter, and 1 dime.

## Answers to Problem Solving I [Pg. 19]

1. 15 days                2. 24 different combinations                3. $5,242.88

## Answers to Problem Solving II [Pg. 20]

1. Package A - 4th floor, Package B - 16th floor, Package C - 10th floor, and Package D on the
   17th floor.
2. Larry 30 minutes, Moe 30 minutes, and Curly 15 minutes.
3. 196 bagels