

# Summer Packet

## Math 6

**Note:** You should be completing this packet if you completed Math 6 this past school year.

Name \_\_\_\_\_

1. Follow the directions to complete the problems in the packet.
2. Show all your work.
3. Circle your final answer.

# Math 6

## Summer Review Packet

Name: \_\_\_\_\_

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$7 \overline{) 56}$$

$$7 \overline{) 21}$$

$$5 \overline{) 10}$$

$$5 \overline{) 45}$$

$$5 \overline{) 15}$$

$$3 \overline{) 12}$$

$$4 \overline{) 16}$$

$$2 \overline{) 10}$$

$$7 \overline{) 28}$$

$$9 \overline{) 18}$$

$$8 \overline{) 56}$$

$$8 \overline{) 24}$$

$$7 \overline{) 56}$$

$$5 \overline{) 15}$$

$$2 \overline{) 12}$$

$$6 \overline{) 24}$$

$$8 \overline{) 72}$$

$$9 \overline{) 63}$$

$$9 \overline{) 27}$$

$$4 \overline{) 32}$$

$$9 \overline{) 279}$$

$$2 \overline{) 84}$$

$$3 \overline{) 195}$$

$$9 \overline{) 801}$$

$$8 \overline{) 376}$$

$$5 \overline{) 75}$$

$$5 \overline{) 75}$$

$$6 \overline{) 396}$$

$$7 \overline{) 126}$$

$$3 \overline{) 288}$$

$$8 \overline{) 144}$$

$$9 \overline{) 612}$$

## Order of Operations

Complete the problems below. Please show your work.

1.  $6 + 9 \times 4$

2.  $2 + 2 \times 4 \div 6$

3.  $5 \times 1 + 9 \times 1$

4.  $3 - 2 \times 4$

5.  $6 - 8 + 4$

6.  $5 - 7 \div 3$

7.  $7 \div 1 \div 9 + 4$

8.  $6 - 6 \div 8$

9.  $9 \times 6 \div 6$

10.  $7 \times 4 \times 5 \times 8 \div 5$

11.  $3 \times 1 \times 7 - 3 + 8$

12.  $8 + 8 - 8 \times 9 \div 6$

13.  $1 - 1 \times 2 \div 2$

14.  $5 \times 9 + 4 + 4 - 1$

15.  $8 \times 2 + 5 \div 2$

## Central Tendency

Find the mean, median, mode and range for each data set.

1. 13, 13, 10, 8, 7, 6, 4, 5

Mean: \_\_\_\_\_

Median: \_\_\_\_\_

Mode: \_\_\_\_\_

Range: \_\_\_\_\_

2. 20, 30, 35, 24, 36, 47, 48

Mean: \_\_\_\_\_

Median: \_\_\_\_\_

Mode: \_\_\_\_\_

Range: \_\_\_\_\_

Instructions: Reduce each fraction to its lowest terms.

$$\frac{4}{24} =$$

$$\frac{25}{35} =$$

$$\frac{21}{30} =$$

$$\frac{20}{24} =$$

$$\frac{9}{24} =$$

$$\frac{5}{20} =$$

$$\frac{10}{35} =$$

$$\frac{4}{14} =$$

$$\frac{9}{21} =$$

$$\frac{32}{36} =$$

$$\frac{15}{35} =$$

$$\frac{20}{28} =$$

$$\frac{15}{24} =$$

$$\frac{55}{60} =$$

$$\frac{15}{27} =$$

$$\frac{21}{30} =$$

$$\frac{25}{30} =$$

$$\frac{100}{48} =$$

$$\frac{39}{30} =$$

$$\frac{80}{28} =$$

$$\frac{70}{45} =$$

$$\frac{45}{35} =$$

$$\frac{39}{18} =$$

$$\frac{14}{16} =$$

$$\frac{36}{40} =$$

$$\frac{55}{50} =$$

$$\frac{2}{24} =$$

$$\frac{10}{12} =$$

$$\frac{35}{40} =$$

$$\frac{81}{30} =$$

$$\frac{4}{20} =$$

Write the improper fraction equivalent for each mixed number.

$$9 \frac{5}{9} = \text{---}$$

$$1 \frac{1}{4} = \text{---}$$

$$7 \frac{1}{3} = \text{---}$$

$$6 \frac{8}{9} = \text{---}$$

$$8 \frac{3}{8} = \text{---}$$

$$6 \frac{2}{3} = \text{---}$$

$$10 \frac{3}{4} = \text{---}$$

$$10 \frac{2}{4} = \text{---}$$

$$9 \frac{4}{8} = \text{---}$$

$$10 \frac{1}{2} = \text{---}$$

## Add Fractions

Find equivalent fractions using the least common denominator (LCD).

Add.

Change to a mixed number if necessary.

Reduce the fraction if necessary.

$$\frac{6}{9} + \frac{1}{2} = \frac{12}{18} + \frac{9}{18} = \frac{21}{18} = 1 \frac{3}{18} = 1 \frac{1}{6}$$

$$\frac{10}{12} + \frac{4}{9} =$$

$$\frac{4}{5} + \frac{1}{2} =$$

$$\frac{2}{10} + \frac{6}{11} =$$

$$\frac{2}{8} + \frac{3}{5} =$$

$$\frac{1}{5} + \frac{9}{11} =$$

$$\frac{5}{6} + \frac{6}{10} =$$

$$\frac{1}{2} + \frac{10}{12} =$$

$$\frac{5}{7} + \frac{3}{10} =$$

$$\frac{2}{10} + \frac{2}{4} =$$

Multiply and reduce each product if necessary.

$$\frac{10}{12} \times \frac{4}{10} =$$

$$\frac{12}{13} \times \frac{1}{4} =$$

$$\frac{6}{10} \times \frac{5}{12} =$$

$$\frac{3}{6} \times \frac{1}{2} =$$

$$\frac{12}{13} \times \frac{2}{7} =$$

$$\frac{1}{3} \times \frac{1}{2} =$$

$___ + 8 = 15$

$5 + ___ = 8$

$___ \times 4 = 8$

$___ \times 7 = 35$

$3 + ___ = 9$

$___ + 8 = 14$

$5 \times ___ = 40$

$5 \times ___ = 5$

$6 + ___ = 8$

$5 + ___ = 10$

$___ \times 7 = 56$

$___ \times 9 = 72$

$6 + ___ = 11$

$9 + ___ = 17$

$___ \times 2 = 10$

$___ \times 9 = 36$

$5 + ___ = 6$

$1 + ___ = 4$

$___ \times 3 = 24$

$___ \times 5 = 20$

$2 + ___ = 8$

$2 + ___ = 9$

$4 \times ___ = 28$

$___ \times 9 = 54$

$___ + 5 = 9$

$___ + 3 = 8$

$2 \times ___ = 14$

$6 \times ___ = 12$

$5 + ___ = 7$

$3 + ___ = 12$

$___ \times 3 = 6$

$___ \times 7 = 7$

Instructions: Calculate the perimeter and area for each rectangle below.

