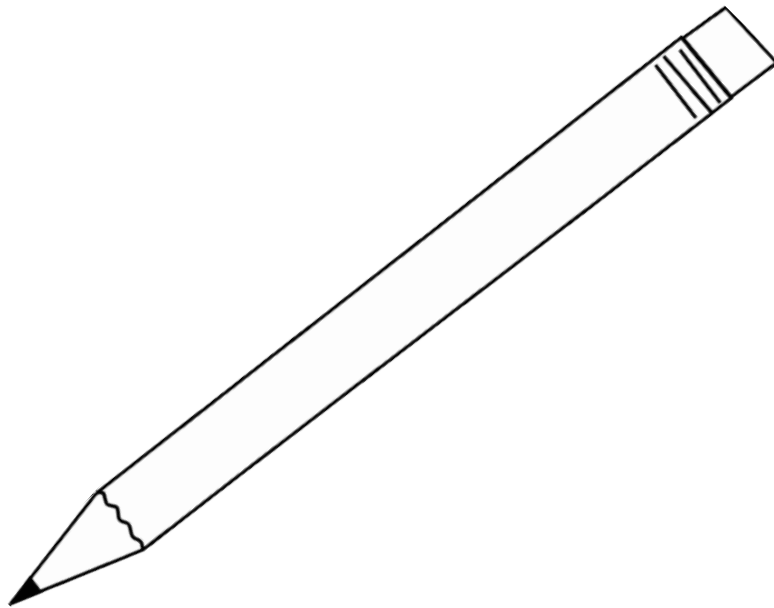


# Computation

## Math Check

### 3<sup>rd</sup> Grade

for pre and post assessment



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

# 3<sup>rd</sup> Grade Computation

Add and subtract whole numbers within 1,000.

$$\begin{array}{r} 75 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 462 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 635 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \\ + 398 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ 48 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ 453 \\ + 247 \\ \hline \end{array}$$

Add and subtract whole numbers within 1,000.

$$\begin{array}{r} 87 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ - 324 \\ \hline \end{array}$$

$$\begin{array}{r} 372 \\ - 268 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ - 438 \\ \hline \end{array}$$

**Use models to show the concept of multiplication.**

Draw an array to show  $3 \times 5$ .

Color the expression that shows  $4 \times 6$ .

$4 + 4 + 4 + 4$	$4 + 4 + 4 + 4 + 4$
$4 + 4 + 4 + 4 + 4 + 4$	$4 + 4 + 4 + 4 + 4 + 4 + 4$

**Understand the identity and zero properties of multiplication.**

Solve each fact.

$8 \times 1 =$

$3 \times 0 =$

$0 \times 4 =$

$0 \times 4 =$

$1 \times 6 =$

$9 \times 1 =$

Show fluency in solving multiplication and division facts.

$3 \times 5 =$

$6 \times 4 =$

$7 \times 3 =$

$8 \times 5 =$

$9 \times 4 =$

$10 \times 2 =$

$8 \times 7 =$

$35 \div 7 =$

$48 \div 6 =$

$32 \div 4 =$

$14 \div 2 =$

$15 \div 5 =$

$72 \div 9 =$

$50 \div 5 =$

**Use multiplication and division within 100 to solve word problems.**

Aliyah brought 81 grapes to give to her friends. She is going to divide them equally among 9 friends. How many will each friend get?

The kids each brought 6 pencils. There are 8 kids in the group. How many pencils do they have altogether?

Marcus wanted to give each of his teachers 3 cookies. He had 8 teachers. How many cookies did he need to bake?

We had 64 seeds. We had 8 flower pots to put them in. How many seeds did we put in each flower pot?

**Solve multi-step word problems using the four operations.**

Ellie was going to the fair. She had \$20. She bought four ride tickets for \$3 each. She also bought a lemonade for \$2 and an elephant ear for \$4. How much money does she have left?

Jeremy mowed two yards this week for \$10 each. Last week he mowed three larger yards for \$15 each. How much did he earn altogether?

# Answer Key

## 3<sup>rd</sup> Grade Computation

Add and subtract whole numbers within 1,000.

$$\begin{array}{r} 75 \\ + 26 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 462 \\ + 37 \\ \hline 499 \end{array}$$

$$\begin{array}{r} 635 \\ + 247 \\ \hline 882 \end{array}$$

$$\begin{array}{r} 238 \\ + 398 \\ \hline 636 \end{array}$$

$$\begin{array}{r} 25 \\ 48 \\ + 32 \\ \hline 105 \end{array}$$

$$\begin{array}{r} 327 \\ 453 \\ + 247 \\ \hline 997 \end{array}$$



# Answer Key

Add and subtract whole numbers within 1,000.

$$\begin{array}{r} 87 \\ - 26 \\ \hline 61 \end{array}$$

$$\begin{array}{r} 85 \\ - 39 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 92 \\ - 36 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 784 \\ - 324 \\ \hline 460 \end{array}$$

$$\begin{array}{r} 372 \\ - 268 \\ \hline 104 \end{array}$$

$$\begin{array}{r} 604 \\ - 438 \\ \hline 166 \end{array}$$

# Answer Key

Use models to show the concept of multiplication.

Draw an array to show  $3 \times 5$ .

$$\begin{array}{ccc} \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \\ \times & \times & \times \end{array}$$

Color the expression that shows  $4 \times 6$ .

$4 + 4 + 4 + 4$	$4 + 4 + 4 + 4 + 4$
$4 + 4 + 4 + 4 + 4 + 4$	$4 + 4 + 4 + 4 + 4 + 4 + 4$

Understand the identity and zero properties of multiplication.

Solve each fact.

$$8 \times 1 = 8 \quad 3 \times 0 = 0 \quad 0 \times 4 = 0$$

$$0 \times 4 = 0 \quad 1 \times 6 = 6 \quad 9 \times 1 = 9$$

# Answer Key

Show fluency in solving multiplication and division facts.

$$3 \times 5 = 15$$

$$6 \times 4 = 24$$

$$7 \times 3 = 21$$

$$8 \times 5 = 40$$

$$9 \times 4 = 36$$

$$10 \times 2 = 20$$

$$8 \times 7 = 56$$

$$35 \div 7 = 5$$

$$48 \div 6 = 8$$

$$32 \div 4 = 8$$

$$14 \div 2 = 7$$

$$15 \div 5 = 3$$

$$72 \div 9 = 8$$

$$50 \div 5 = 10$$

# Answer Key

Use multiplication and division within 100 to solve word problems.

Aliyah brought 81 grapes to give to her friends. She is going to divide them equally among 9 friends. How many will each friend get?

$$81 \div 9 = 9$$

The kids each brought 6 pencils. There are 8 kids in the group. How many pencils do they have altogether?

$$6 \times 8 = 48$$

Marcus wanted to give each of his teachers 3 cookies. He had 8 teachers. How many cookies did he need to bake?

$$8 \times 3 = 24$$

We had 64 seeds. We had 8 flower pots to put them in. How many seeds did we put in each flower pot?

$$64 \div 8 = 8$$

# Answer Key

Solve multi-step word problems using the four operations.

Ellie was going to the fair. She had \$20. She bought four ride tickets for \$3 each. She also bought a lemonade for \$2 and an elephant ear for \$4. How much money does she have left?

$$4 \times \$3 = \$12$$

$$\$2 + \$4 = \$6$$

$$\$12 + \$6 = \$18$$

$$\$20 - \$18 = \$2$$

Jeremy mowed two yards this week for \$10 each. Last week he mowed three larger yards for \$15 each. How much did he earn altogether?

$$2 \times \$10 = \$20$$

$$3 \times \$15 = \$45$$

$$\$45 + \$20 = \$64$$