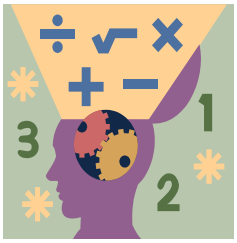


**Homework**

Hello Students. We will continue with multiplication and begin division this week. Students will model division using regrouping, with and without remainders. Students will learn divisibility rules to determine if a number is divisible by another. Students will complete a **Test** reviewing Multiplication and Division on **Tuesday September 25, 2018**. Please feel free to contact me with any questions or concerns at morales.zervos@archimedean.org.

**Think Central Information**

Students have access to Think Central assignments and the GO MATH! Student Interactive Book to review Chapter 4.

https://www-k6.thinkcentral.com/ePC/start.do

The 4th Grade Mathematics Curriculum depends on a strong foundation in multiplication and division. The remaining chapters require students to be fluent in all multiplication and division facts. Fluency in multiplication and division facts,1 through 9, is essential for your child's success. Please have your children use Reflex Math to reinforce their facts, https://www.reflexmath.com, Sumdog (www.sumdog.com) , or www.multiplication.com (to focus on individual facts).

**Notes**

Students MUST prove and show all their work. If additional space is needed, please feel free to attach lined paper. Failure to show your work will result in a lower grade. Please complete the homework to the best of your abilities.

| | | |
|---|---|---|
| Monday | September 17th | – FSA Review Day 2 (1 Page) |
| Tuesday | September 18th | – 4.1 and Page 26 (2 pages) |
| Wednesday | September 19th | – No Homework – Teacher Planning Day |
| Thursday | September 20th | – 4.2 and Page 36 (2 pages) |
| Friday | September 21st | – 4.3 and Page 86 (2 pages) |

Homework will be checked daily in class. Completed homework packets are due on Monday September 24, 2018.

| Monday September 17th | Tuesday September 18th | Wednesday September 19th | Thursday September 20th | Friday September 21st |
|---|---|---|---|---|
| | | | | |

Name:_____ Section: _____

# 100 Day Countdown to the 4th Grade Math FSA – Day 2

MAFS.4.OA.1.1

1. Select the statement that represents 4 x 9 = 36.

A. Jordan collected 4 dimes one year and 9 dimes the next year.
B. Jordan collected 4 dimes each day for 9 years.
C. Jordan collected 9 dimes a day over a 4 day period.
D. Jordan had a collection of 4 dimes and increased the number of dimes by 36.

MAFS.4.OA.1.1

2. Tad has 14 times as many model cars as Johnny. Johnny has 6 model cars. Create a multiplication equation that represents the situation.

_____

MAFS.4.OA.1.1

3. Aaron has 9 times as many action figures as Victor. Victor has 7 action figures. Select the expression that shows how many figures Aaron has. Mark all that apply.

- ◯ 9 + 9 + 9 + 9 + 9 + 9 + 9
- ◯ 7 + 9
- ◯ 7 x 9
- ◯ 9 x 7
- ◯ (3 x 3) x 7

MAFS.4.OA.1.2

4. Joan has 45 marbles. Mary has *m* marbles. If Joan has 15 times as many marbles as Mary, write an equation that shows how many marbles Mary has.

_____

MAFS.4.OA.1.2

5. Mrs. Smith has 5 times as many markers as colored pencils. The <u>total</u> number of markers and colored pencils is 54. How many markers does Mrs. Smith have?

A. 5
B. 10
C. 25
D. 45

Name: _____

Score: ____/5

Percentage: ____%

Name_____ Date _____

Problem Solving 4.1

# Problem Solving – Model Division

Read and solve. Write an equation and show the division.

| | |
|---|---|
| 1. Maria has 210 fish. She puts an equal number of fish into 7 fish tanks. How many fish went into each tank? | |
| 2. John has 5,600 baseball cards. He gives his 8 friends an equal number of cards. How many cards did he give each friend? | |
| 3. Bill has 720 stamps. If he puts 8 stamps on each page, how many pages will Bill fill? | |
| 4. Ana has 420 roses. She puts an equal number of roses into 6 vases. How many vases did she fill? | |
| 5. Tomas has 3,200 tomato seedlings to plant at his farm. He wants to plant 4 seedlings in each row. How many rows of tomato seedlings will Tomas plant? | |
| 6. Mia baked 4800 cookies for the bake sale. She put the cookies evenly into 8 boxes. How many cookies did she put in each box? | |
| 7. Lucy sold $630 worth of pencils. If each box of pencils costs $7, how many boxes of pencils did she sell? | |
| 8. At the Archimedean Awards Assembly, 240 students sit in 8 equal rows. How many students sit in each row? | |

PARCC TEST PREP

## Lesson Check (MACC.4.NBT.2.5)

1. A plane is traveling at a speed of 400 miles per hour. How far will the plane travel in 5 hours?

   Ⓐ 200 miles

   Ⓑ 2,000 miles

   Ⓒ 20,000 miles

   Ⓓ 200,000 miles

2. One week, a clothing factory made 2,000 shirts in each of 6 different colors. How many shirts did the factory make in all?

   Ⓐ 2,000

   Ⓑ 12,000

   Ⓒ 120,000

   Ⓓ 200,000

## Spiral Review (MACC.4.OA.1.1, MACC.4.OA.1.2, MACC.4.OA.1.3, MACC.4.NBT.1.2)

3. Which comparison sentence best represents the equation? **(Lesson 2.1)**

   $$6 \times 7 = 42$$

   Ⓐ 7 is 6 times as many as 42.

   Ⓑ 6 is 7 times as many as 42.

   Ⓒ 42 is 6 times as many as 7.

   Ⓓ 6 more than 7 is 42.

4. The population of Middleton is six thousand, fifty-four people. Which of the following shows this number written in standard form? **(Lesson 1.2)**

   Ⓐ 654

   Ⓑ 6,054

   Ⓒ 6,504

   Ⓓ 6,540

5. In an election for mayor, 85,034 people voted for Carl Green and 67,952 people voted for Maria Lewis. By how many votes did Carl Green win the election? **(Lesson 1.7)**

   Ⓐ 17,082

   Ⓑ 17,182

   Ⓒ 22,922

   Ⓓ 152,986

6. Meredith picked 4 times as many green peppers as red peppers. If she picked a total of 20 peppers, how many green peppers did she pick? **(Lesson 2.2)**

   Ⓐ 4

   Ⓑ 5

   Ⓒ 16

   Ⓓ 24

Name_____ Date _____

Problem Solving 4.2

# Problem Solving – Division

Read and solve. Write an equation and show the division.

| | |
|---|---|
| 1. Lucy bought 76 candles. She put the same number of candles into 2 boxes. How many candles went in each box? | |
| 2. Jill spent $91 for 7 pairs of shoes. Each pair of shoes cost the same amount. How much did she spend on each pair? | |
| 3. Jacob wants to buy an action figure for $54. If he saves $3 a week, how many weeks will it take for him to have enough money to buy the action figure? | |
| 4. Marcos used 90 buttons at school to make puppets. If each puppet needs 5 buttons, how many puppets can Marcos make? | |
| 5. Ms. Maria gave away a total of 96 Math Bucks to students who helped in the cafeteria. If she gave 8 Math Bucks to each student, how many students helped in the cafeteria? | |
| 6. Romeo is packing cupcakes into gift boxes. Each gift box holds 4 cupcakes. How many boxes can Romeo pack with 56 cupcakes? | |
| 7. The 4th grade students are going on a field trip. There are 6 buses. If there are 78 people going on the field trip, how many people can each bus hold? | |

PARCC TEST PREP

## Lesson Check (MACC.4.NBT.2.5)

**1.** A passenger jet flies at an average speed of 548 miles per hour. At that speed, how many miles does the plane travel in 4 hours?

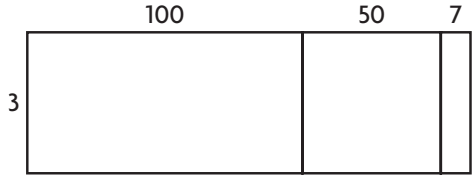
Ⓐ 2,092 miles

Ⓑ 2,112 miles

Ⓒ 2,192 miles

Ⓓ 2,480 miles

**2.** Use the model to find $3 \times 157$.




Ⓐ 300,171

Ⓑ 300,157

Ⓒ 471

Ⓓ 451

## Spiral Review (MACC.4.NBT.1.2, MACC.4.NBT.2.4, MACC.4.NBT.2.5)

**3.** The school fun fair made $1,768 on games and $978 on food sales. How much money did the fun fair make on games and food sales? **(Lesson 1.6)**

Ⓐ $2,636

Ⓑ $2,646

Ⓒ $2,736

Ⓓ $2,746

**4.** Use the table below.

| State | Population |
|---|---|
| North Dakota | 646,844 |
| Alaska | 698,473 |
| Vermont | 621,760 |

Which of the following lists the states from least to greatest population? **(Lesson 1.3)**

Ⓐ Alaska, North Dakota, Vermont

Ⓑ Vermont, Alaska, North Dakota

Ⓒ North Dakota, Vermont, Alaska

Ⓓ Vermont, North Dakota, Alaska

**5.** A National Park covers 218,375 acres. What is this number written in expanded form? **(Lesson 1.2)**

Ⓐ 200,000 + 10,000 + 8,000 + 300 + 70 + 5

Ⓑ 20,000 + 1,000 + 800 + 30 + 75

Ⓒ 218 + 375

Ⓓ 218 thousand, 375

**6.** Last year a business had profits of $8,000. This year its profits are 5 times as great. What are this year's profits? **(Lesson 2.3)**

Ⓐ $4,000

Ⓑ $40,000

Ⓒ $44,000

Ⓓ $400,000

Name_____ Date _____

Problem Solving 4.3

# Problem Solving – Division with Remainders

Write an equation and show the division.

| | |
|---|---|
| 1. Olivia has 862 beads to make 4 ornaments. She put the uses the same number of beads for each ornament. How many beads does she use for each ornament? How many beads will not be used? | |
| 2. Ms. Calderin has 528 sheets of cardstock paper to be divided equally among 8 teachers. How many sheets of cardstock paper will she give each teacher? How many sheets of cardstock will remain? | |
| 3. Emily has 481 beads to make 5 necklaces. If each necklace gets the same number of beads, how many beads will she use for each necklace? How many beads will not be used? | |
| 4. Kimon wants to put his 670 baseball cards into 4 boxes. If each box gets an equal number of cards, how many cards will go into each box? How many cards will not go into the boxes? | |
| 5. Ms. Lazo has $5,525 to purchase 3 MAC Computers for her daughters. If each MAC computer was the same price, how much did Ms. Lazo spend on each computer? How much money was leftover? | |

PARCC TEST PREP

## Lesson Check (MACC.4.NBT.2.6)

1. Gail bought 80 buttons to put on the shirts she makes. She uses 5 buttons for each shirt. How many shirts can Gail make with the buttons she bought?

   Ⓐ 14
   Ⓑ 16
   Ⓒ 17
   Ⓓ 18

2. Marty counted how many breaths he took in 3 minutes. In that time, he took 51 breaths. He took the same number of breaths each minute. How many breaths did Marty take in one minute?

   Ⓐ 15
   Ⓑ 16
   Ⓒ 17
   Ⓓ 19

## Spiral Review (MACC.4.NBT.2.4, MACC.4.NBT.2.5, MACC.4.NBT.2.6)

3. Kate is solving brain teasers. She solved 6 brain teasers in 72 minutes. How long did she spend on each brain teaser? **(Lesson 4.7)**

   Ⓐ 12 minutes
   Ⓑ 14 minutes
   Ⓒ 18 minutes
   Ⓓ 22 minutes

4. Jenny works at a package delivery store. She puts mailing stickers on packages. Each package needs 5 stickers. How many stickers will Jenny use if she is mailing 105 packages? **(Lesson 2.11)**

   Ⓐ 725
   Ⓑ 625
   Ⓒ 525
   Ⓓ 21

5. The Puzzle Company packs standard-sized puzzles into boxes that hold 8 puzzles. How many boxes would it take to pack up 192 standard-sized puzzles? **(Lesson 4.6)**

   Ⓐ 12
   Ⓑ 16
   Ⓒ 22
   Ⓓ 24

6. Mt. Whitney in California is 14,494 feet tall. Mt. McKinley in Alaska is 5,826 feet taller than Mt. Whitney. How tall is Mt. McKinley? **(Lesson 1.6)**

   Ⓐ 21,310 feet
   Ⓑ 20,320 feet
   Ⓒ 20,230 feet
   Ⓓ 19,310 feet