

## Beall Elementary Summer Math Problems for 3<sup>rd</sup> grade students going into 4<sup>th</sup> grade

Students should complete their work on a separate sheet of paper.  
Students should then explain each step to a parent, sibling, or friend.

Welcome to the summer math problems for students entering fourth Grade. Reviewing the learned skills will maintain the foundation for math success at the next grade level.

**1** Look at the equations. Write word problems to match each equation.

432 - 175 = ?

123 + 246 = ?

**2** Which pair of numbers has a difference of 7 and a quotient of 2?

7,1	10, 3	6,4
14,7	18,9	1,8

**3** Which products are even?  
 $3 \times 5 =$   
 $2 \times 10 =$   
 $7 \times 4 =$   
 $8 \times 3 =$   
 $6 \times 5 =$   
 How do you know?

**4** Make a list of 5 numbers you see around your house or while out and about with your family. Write each number in expanded form.

**5** Draw a rectangle with a perimeter of 24 inches. Label each side of the rectangle. Draw a different rectangle with the same perimeter. Label each side of the rectangle.

**6** Write a multiplication word problem for another family member to solve.

**7** Complete the fact family for:  
 $7 \times 5 = 35$

\_\_\_\_\_

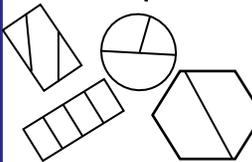
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\_\_\_\_\_

**8** There are 40 chairs in the classroom. The chairs are arranged in rows. Each row has 10 chairs. How many rows of chairs are in the classroom?

**9** 411 when rounded to the nearest hundred is 400. What other numbers round to 400 when rounded to the nearest hundred? Give at least 3 examples.

**10** Circle the examples that show equal area.



<b>Bookstore</b>
Comics \$3
Hardcover Books \$10
Paperback Books \$6
Magazines \$2

A customer spends \$98 at the Bookstore. What did she buy?

<b>Bookstore</b>
Comics \$3
Hardcover Books \$10
Paperback Books \$6
Magazines \$2

John buys 2 Hardcover books and 4 magazines. How much money does John spend?

**13** Solve.

\_\_\_\_\_ = 735 - 660

\_\_\_\_\_ = 287 + 368

602 + 285 = \_\_\_\_\_

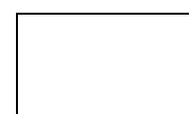
422 - 109 = \_\_\_\_\_

**14** Write a division word problem for another family member to solve.

**15** Scarves come in packages of 3 for \$5. How many scarves could you buy for \$25?

**16** What is the perimeter of the rectangle? 15 in.

10 in.



**17** In the first movie, \$457 is generated from the sale of tickets. Some more money is generated from the sale of tickets for the second movie. The total income generated from both movies is \$958. How much money was generated from the sale of tickets for the second movie?

**18** Round 628 to the nearest ten. Discuss with a family member: How does thinking about place value help you round to the nearest ten?

**19** There are 520 students at Springwood Elementary School. 372 students ride the bus to school. 68 students take a car to school. Some students walk to school. How many students walk to school?

**20** Which products are even?  
 $8 \times 2 =$   
 $5 \times 4 =$   
 $6 \times 8 =$   
 $3 \times 7 =$   
 $9 \times 6 =$   
 How do you know?

**21** Find an analog clock ( a clock with a face) and read the time of day to a family member.

**22** Look at the equations. Write word problems to match each equation.

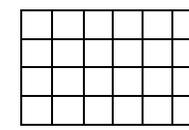
$20 \div 4 = ?$

$7 \times 5 = ?$

**23** Write a 3-digit number. Round it to the nearest ten. Ask a family member to write a 3-digit number. Round it to the nearest ten.

**24** What is the area of the rectangle? 6 in.

4 in.



**25** Which pair of numbers has a sum of 20 and a quotient of 4?

3,3	12,2	15,5
5,5	16,4	8,4

**26** Write  $5 \times 7 = 35$  as repeated addition.

**27** Sweatshirts come in packages of 2 for \$9. How many sweatshirts could you buy for \$72?

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**28** Solve for the unknown.

$$187 = 42 + ? + 79$$

$$500 - ? = 318$$

$$495 = 131 + ? + 82$$

$$? + 78 = 194$$

**29** 223 when rounded to the nearest 10 is 220. What other numbers round to 220 when rounded to the nearest ten? Give at least 3 examples.

**30** Which products are odd?

$$4 \times 3 =$$

$$9 \times 2 =$$

$$3 \times 3 =$$

$$7 \times 8 =$$

$$5 \times 7 =$$

How do you know?

### Websites to Support Summer Math Learning/Practice

<http://illuminations.nctm.org/> (National Council of Teachers of Mathematics Site ☺)

On the right side of the home page, check interactives and choose a grade level. Tons of activities that support the MCPS curriculum

<http://www.allmath.com/>

This site has flash cards and links to other sites for games, math humor, worksheets, math help and more.

<http://www.aplusmath.com>

This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.

<http://www.khanacademy.org/>

This site has practice exercises, instructional videos, and a personalized learning dashboard that empowers learners to study at their own pace.

<http://www.kenkenpuzzle.com>

This site has numerous levels of the famous KenKen math puzzles..

<http://www.aplusmath.com>

This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.

<http://www.mathfactcafe.com>

This site has a pencil next to pre-made cards so kids can do the facts and have the computer check them. Kids can print them out and also put in their own numbers and make their own worksheets.

<http://www.funbrain.com>

This site has easier to harder addition and subtraction computation and problem solving. It also has language and grammar skills activities

<http://www.24game.com>

This site has math games using basic operations

<http://www.coolmath4kids.com>

This site has a wide range of topics and will give you step-by-step instructions.

<http://www.learningplanet.com>

This site has games by grade level but with advertisement and a subscription. There are some free games.

<http://www.gamequarium.com>

This site has math activities for K-6.

<http://www.SETGame.com>

This is a card game to build students' visual thinking and pattern skills in math. Commercial, but does have some great free puzzles.

<http://www.math.com>

Good resource of how to do problems

<http://www.mathcats.com>

This is an interactive fun site

<http://www.spikesgamezone.com>

Lots of math games

<http://www.funschool.com>

This site has games, but also commercial advertising

<http://www.figurethis.org>

This site gives you ideas for fun hands-on math activities. Good for upper grades

<http://www.kidsites.com>

List of sites for math as well as other subjects.

<http://abcya.com>

Loads of math games for K-5 as well as games for reading and language arts