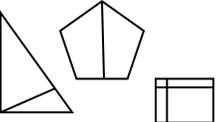


# Beall Elementary School Summer Math Problems for 1<sup>st</sup> grade students going into 2<sup>nd</sup> grade

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

<p>Welcome to the summer math problems for students entering Second Grade. Reviewing the learned skills will maintain the foundation for math success at the next grade level.</p>	<p><b>1</b> Write &lt;, &gt; or = in the blank below. Show your understanding through pictures of place value blocks</p> <p style="text-align: center;">15 _____ 32</p> <p style="text-align: center;">50 + 3 _____ 60 - 7</p>	<p><b>2</b> Write a subtraction word problem for another family member to solve.</p>	<p><b>3</b> Fill in the missing numbers.</p> <p>46, _____, _____, 49,</p> <p>_____</p> <p>_____, 25, _____, 29,</p> <p>31</p>	<p><b>4</b> Make a list of 5 two-digit numbers you see around your house or while out and about with your family. Draw a representation of the numbers using place value pictures.</p>	<p><b>5</b> Drake had 18 crayons. He gave 5 crayons to Nicky. How many crayons does he have now? Write a number sentence to match the story problem.</p>	<p><b>6</b> Write the number that makes the equation true. Explain how you know your statement is true.</p> <p style="text-align: center;">27 + ____ = 31</p> <p style="text-align: center;">____ - 5 = 13</p>
<p><b>7</b> Write the numbers that are 10 more and 10 less.</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px;">10 less</div> <div style="border: 1px solid black; padding: 2px;">10 more</div> </div> <p style="margin-top: 10px;">_____ 15 _____</p> <p style="margin-top: 10px;">_____ 36 _____</p>	<p><b>8</b> Jane had 3 pens. Chris gave her some more pens. Then Jane had 9 pens. How many pens did Chris give Jane? Explain your answer.</p>	<p><b>9</b> Determine if the equation is true or false.</p> <p style="text-align: center;">6 + 8 = 16</p> <p style="text-align: center;">True      False</p> <p style="text-align: center;">Explain your thinking.</p>	<p><b>10</b> Draw a picture of the following shapes. Label the number of sides and corners: square, rectangle, hexagon, triangle.</p>	<p><b>11</b> Jane baked 16 cakes. She baked 7 fewer cakes than Serene. How many cakes did Serene bake? Write a number sentence and explain your answer.</p> <div style="text-align: right;"></div>	<p><b>12</b> Write the correct time.</p> <div style="text-align: center;"></div>	<p><b>13</b> Dave saved three nickels, one quarter and two dimes. How much money did he save altogether? Show how you solved the problem.</p>
<p><b>14</b> Circle the shape with two equal shares. Explain your thinking.</p> <div style="text-align: center; margin-top: 10px;">  </div>	<p><b>15</b>  has 2 wheels.  has 4 wheels.</p> <p>How many wheels are on 1 bike and 2 wagons? Write a number sentence to match the problem.</p>	<p><b>16</b> Write four related facts using the three numbers [ 7, 4, 11 ]</p> <p>_____ + _____ = _____</p> <p>_____ + _____ = _____</p> <p>_____ - _____ = _____</p> <p>_____ - _____ = _____</p>	<p><b>17</b> List the objects from 1 (shortest) to 3 (longest)</p> <div style="margin-top: 10px;">  </div>	<p><b>18</b> Solve for the unknown. Use a number line to show why the statement is true.</p> <p style="text-align: center;">_____ + 7 = 14</p> <p style="text-align: center;">18 - _____ = 8</p>	<p><b>20</b> Identify two attributes that could be used to describe this shape.</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>_____</p> <p>_____</p>	<p><b>20</b> Harris has 6 stickers. He buys 3 more stickers every day. How many days does it take him to collect 18 stickers altogether? Write a number sentence to match the problem and explain using a number line.</p>
<p><b>21</b> Draw a three different kinds of triangles.</p>	<p><b>22</b> Write the number that is 10 more than 47. Write the number that is 10 less than 47.</p> <p>Write these numbers in order from least to greatest: 14, 9, 32, 23</p>	<p><b>23</b> Write &lt;, &gt; or = in the blank below. Then, write your own.</p> <p style="text-align: center;">45 _____ 40 + 5</p> <p style="text-align: center;">25 _____ 35 - 7</p>	<p><b>24</b> Write an addition word problem for another family member to solve.</p>	<p><b>25</b> Circle the shape partitioned into 4 equal parts. Explain.</p> <div style="display: flex; justify-content: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;">  </div> <div style="border: 1px solid black; padding: 5px;">  </div> </div>	<p><b>26</b> Complete the equations. Write a related to fact to each problem.</p> <p style="text-align: center;">8 + 6 = _____</p> <p style="text-align: center;">13 - 4 = _____</p> <p style="text-align: center;">10 + 4 = _____</p> <p style="text-align: center;">18 - 5 = _____</p>	<p><b>27</b> There are 15 scarves. 6 of them are green and the rest are yellow. How many yellow scarves are there?</p> <div style="text-align: right; margin-top: 10px;">  _____         </div>

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**28**

Solve for the unknown.

$$\underline{\quad} + 4 = 12$$

$$20 - \underline{\quad} = 6$$

**29**

Rope P is 14 units long.  
Rope Q is 8 units shorter than rope P.

How long is rope Q?

What is the total length of rope P and rope Q?

Explain your answer.

**30**

Write the hands on the clock to show what time you wake up.



**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.

[www.kenkenpuzzle.com](http://www.kenkenpuzzle.com)

This site has numerous levels of the famous number game KenKen.

<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.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://timezattack.com>

FREE home version for practicing multiplication facts (also new versions for division, addition, and subtraction!)

<http://abcya.com>

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

*Adapted by from SDTs of Sherwood Cluster*