

Summer Math Packet for  
Students Entering Fifth Grade

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

Teacher \_\_\_\_\_

1.) Mr. Paul wrote the number 45,358. How many times greater is the 5 in the thousands place, than the 5 in the tens place?

- A.) 10
- B.) 20
- C.) 100
- D.) 1,000

2.) Which basic fact could you use to find the product of  $30 \times 4$ ?

- A.)  $1 \times 4$
- B.)  $12 \times 3$
- C.)  $30 \times 4$
- D.)  $3 \times 4$

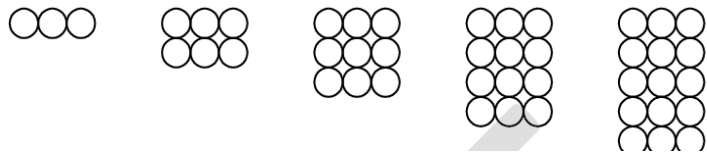
3.) Mrs. Jones wrote the numbers 147,809 and 78,210. In which number does the 7 have the greatest value?

- A.) 147,890
- B.) 78,201
- C.) 78,210
- D.) 147,809

4.) Ms. Bebe has a red ribbon that is 6cm long, and a blue ribbon that is 3 times longer. How long is Ms. Bebe's blue ribbon?

- A.) 18cm
- B.) 6cm
- C.) 12cm
- D.) 9cm

5.) The first five terms in a shape pattern are shown below. The rule of the pattern is *the number of circles increases by three*. Which of the following would be true of the 6th term?



- A.) The number of circles in the 6th term would be a multiple of four.
- B.) The number of circles in the 6th term would be a prime number.
- C.) The number of circles in the 6th term would be an even number.
- D.) The number of circles in the 6th term would be divisible by five.

6.) A family size pizza is \$30 and costs 5 times as much as a small pizza. How much does a small pizza cost?

- A.)  $30 + 30 + 30 + 30 + 30$
- B.)  $30 \div 5$
- C.)  $5 \div 30$
- D.)  $5 \times 30$

7.) The expanded form of 86,532 is...

- A.) Eighty six thousand five hundred thirty two
- B.) 86, 532
- C.)  $800 + 6,000 + 500 + 30 + 2$
- D.)  $80,000 + 6,000 + 500 + 30 + 2$

8.) Mrs. Patrick used 1,500 balloons to decorate the gym for a party. By midnight, 608 balloons had popped. How many balloons did Mrs. Patrick have left?

- A.) 2,108
- B.) 892
- C.) 902
- D.) 1,108

9.) Stratford School purchased 678 black, 739 blue, and 400 red pens. How many pens did the school purchase in all?

- A.) 1,417
- B.) 1,700
- C.) 61
- D.) 1,817

10.) Which of the number patterns below follows the rule...*subtract 7* to get to the next number?

A.) 79, 72, 56, 51, 47, 44

B.) 66, 60, 53, 45, 36, 26

C.) 51, 44, 37, 30, 23, 16

D.) 43, 36, 29, 24, 19, 12

11.) Six adults and five classes of 32 students went to the museum by bus. If each bus held 25 passengers how many buses were needed?

A.) 7

B.) 6

C.) 5

D.) 4

12.) Mr. Babbit read his new book for  $2\frac{3}{4}$  of an hour on Tuesday. If he read for  $1\frac{1}{4}$  of an hour before lunch, how long did he read for after lunch?

A.)  $1\frac{2}{4}$

B.)  $3\frac{2}{4}$

C.)  $2\frac{1}{4}$

D.)  $3\frac{4}{8}$

13.) An equilateral triangle measures  $5\frac{3}{8}$  cm on one side. What is the perimeter of the triangle?

A.)  $5\frac{9}{24}$

B.)  $15\frac{9}{24}$

C.)  $5\frac{9}{8}$

D.)  $16\frac{1}{8}$



14.) Mr. Melvin and Mr. Bart went fishing. Mr. Melvin caught  $2\frac{1}{2}$  kg of fish and Mr. Bart caught  $4\frac{1}{2}$  kg of fish. How many kilograms of fish did they catch in all?

- A.) 7
- B.)  $6\frac{1}{4}$
- C.)  $2\frac{1}{2}$
- D.)  $2\frac{2}{4}$

15.) Mrs. Harder rode her bicycle 6 kilometers to school. She stopped at her friend's house after  $\frac{2}{3}$  of the total journey. After how many kilometers did Mrs. Harder stop?

- A.) 2
- B.) 4
- C.) 6
- D.)  $\frac{12}{18}$

### Word Problems:

16.) On a Friday evening a pizza shop had orders for 4 pepperoni, 97 vegetable, and 335 cheese pizzas. If the 4 cooks each made an equal number of pizzas, how many pizzas did each cook make?

Answer: \_\_\_\_\_

17.) Mrs. Gammy divided \$300 equally among 5 fourth grade teachers. Mrs. Pool used the money she got from Mrs. Gammy to buy 12 gifts that each cost the same amount. What was the price of each gift?

Answer: \_\_\_\_\_

18.) You earn \$5 per hour babysitting and \$4 per hour for weeding the garden. Last week you did 7 hours babysitting and 6 hours weeding. How much more money do you need to buy a game that costs \$80.00?

Answer: \_\_\_\_\_

19.) Mrs. Donovan had 357 books and got 23 more for the library. She put them into piles, with 38 books in each pile. How many piles of books did Mrs. Donovan make?

Answer: \_\_\_\_\_

20.) Mrs. Valing baked 3 trays of 36 cookies. After they cooled she divided the cookies evenly into bags. How many cookies did Mrs. Valing place in each bag?

Answer: \_\_\_\_\_

21.) Maria recorded the approximate amount of time, in hours, it took her to do her homework each day for 15 days.

$\frac{1}{4}, \frac{1}{2}, 0, 1\frac{3}{4}, \frac{1}{4}, \frac{1}{2}, 0, 1\frac{3}{4}, \frac{1}{4}, \frac{1}{4}, \frac{1}{4}, 0, \frac{1}{4}$

In the space below, create a line plot to represent Maria's data. Be sure to label the x-axis and title the line plot.

---

22.) The area of Mr. Robert's rectangular garden is 480 square feet. The garden is 24 feet wide. What is the length of fencing Mr. Robert will need to buy in order to fence in the garden completely on all four sides?  
**Show your work.**

Answer: \_\_\_\_\_

23.) Elena, Matthew, and Kevin painted a wall. Elena painted  $\frac{5}{9}$  of the wall and Matthew painted  $\frac{3}{9}$  of the wall. Kevin painted the rest of the wall.

**Part A:** Use the box below to represent the wall. Show the fraction of the wall that Kevin painted.



What fraction of the wall did Kevin paint?

Answer: \_\_\_\_\_

24.) Students from three classes at Stratford School are planning a boat trip. On the trip, there will be 20 students from each class, along with 11 teachers and 13 parents.

**Part A:** Write an equation that can be used to determine the number of boats, ( $b$ ) they will need on their trip if 10 people ride in each boat.

**Equation:**  $b =$

---

**Part B:** How many boats will be needed for the trip if 10 people ride in each boat?

**Show your work.**

**Answer:** \_\_\_\_\_ boats needed



**Part C:** It will cost \$35 to rent each boat used for the trip. How much will it cost to rent all the boats needed for the trip?  
**Show your work.**

**Answer:**

\$ \_\_\_\_\_

25.) Addison wants to buy herself a new bicycle that costs \$240. She has already saved \$32, but needs to make a plan so she can save the rest of the money she needs. Addison decides to save the same amount of money,  $x$  dollars, each month for the next four months.

**Part A:** Write an equation that helps Addison determine the amount of money she must save each month.

**Equation:**

---

**Part B:** Solve the equation to find the amount of money Addison must save each month to meet her goal of buying a bicycle.

**Answer:** \_\_\_\_\_

Helpful websites that Stratford Fourth Grade Teachers favor:

1. [IXL.com - IXL® Fun Math Practice](http://www.ixl.com) Need to subscribe-Keeps progress
- 2.
3. [LearnZillion](http://www.learnzillion.com)-Shows How to's

<http://www.education.com/worksheet/article/place-value-third/> 30 Day Trial Can save worksheets-Good clear worksheets

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

<http://www.aaamath.com/plc12bx2.htm>

Practice component- Enables you to send results via e-mail.

[http://mrnussbaum.com/grade\\_3\\_standardspvalue210/](http://mrnussbaum.com/grade_3_standardspvalue210/)

Interactive-Many activities incorporating CC standards...

# Place Value Drills Aligned to the Common Core Standards

## Basic Place Value-Understanding

- [Place Value from 1-999 \(3.NBT.2\)](#)
- [Place Value: Understanding the ones, tens, and hundreds columns \(3.NBT.2\)](#)
- [Learning the Ones, Tens, Hundreds, and Thousands Columns \(3.NBT.2\)](#)
- [Learning the Ten and Hundred Thousands Columns \(3.NBT.2\)](#)
- [Matching Numbers with Written Words to 999 \(3.NBT.2\)](#)
- [Matching Numbers with Written Words to 9999 \(3.NBT.2\)](#)
- <http://www.math-play.com/Geometry-Math-Games.html>
- <http://www.mathfactcafe.com/> Great for absorbing facts

<http://www.k5mathteachingresources.com/index.html>

<http://www.engageny.org/sites/default/files/resource/attachments/math-grade-4.pdf> are the websites utilized to create this summer packet.