

Summer Math Packet  
For Students Entering Fourth Grade

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

Teacher \_\_\_\_\_

1.)  $20 \div n = 5$  and  $n \times 5 = 20$ . What is  $n$ ?

- A.) 4
- B.) 5
- C.) 8
- D.) 15

2.) On Monday, Eddie's Bakery had 90 chocolate muffins for sale. 25 chocolate muffins were sold in the morning and 46 in the afternoon. How many chocolate muffins were left?

- A.) 161
- B.) 65
- C.) 91
- D.) 19

3.) A truck driver needed to deliver 750 sacks of flour. He delivered 235 sacks to a shop on Seventh Street and 367 sacks to a shop on Nassau Blvd. How many more sacks did he need to deliver?

A.) 515

B.) 602

C.) 148

D.) 383

4.) After spending \$55.00 on a shirt and \$124.00 on a pair of shoes, Mrs. Allen had \$40.00 left in her wallet. How much money did Mrs. Allen have in the beginning?

A.) \$69.00

B.) \$84.00

C.) \$179.00

D.) \$219.00

5.) Three students are sharing a box of 8 crayons. Tenley has 2 of the crayons on her desk, Carrie has 3 of the crayons on her desk, and Shae has 1 of the crayons on her desk. If the rest of the crayons are still in the box, what fractional part of the crayons are still in the box?

A. )  $\frac{1}{8}$

B. )  $\frac{2}{8}$

C. )  $\frac{3}{8}$

D. )  $\frac{6}{8}$

6.) There were 54 apples set aside as a snack for 3 classes of students. Mr. Waters divided up the apples and placed equal amounts on 9 separate trays. If each of the 3 classes received the same number of trays, how many apples did each class get?

A.) 2

B.) 6

C.) 18

D.) 27

7.) There are 3 large picture frames. Each picture frame contains exactly 2 pictures. What fraction represents just one picture out of all the pictures in the frames?

A.)  $\frac{1}{3}$

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

C.)  $\frac{2}{5}$

D.)  $\frac{1}{6}$

8.) A shoe factory produced 345 pairs of shoes in one week and 354 pairs the next week. If 673 pairs were delivered to a department store, how many pairs were not delivered?

A.) 319

B.) 328

C.) 26

D.) 699

9.) Mrs. Green made 56 cupcakes. She put 8 cupcakes into each box and sold the boxes for \$3.00 each. How much money did Mrs. Green receive?

A.) \$24.00

B.) \$11.00

C.) \$21.00

D.) \$7.00

10.) Aidan had 100 marbles. He gave away 64 marbles and put the remaining marbles equally into 9 bags. How many marbles did he put in each bag?

A.) 35

B.) 9

C.) 74

D.) 4

11.) Mrs. Pittfield sold \$145.00 worth of pears and \$273.00 worth of peaches at the market. Before going home she bought a new ladder for \$89.00. How much money did Mrs. Pittfield have left?

A.) \$507.00

B.) \$329.00

C.) \$418.00

D.) \$56.00

12.) James wants to buy a soccer ball worth \$95.00 and a bike worth \$349.00. If he only has \$375.00 how much more money does he need?

A.) \$254.00

B.) \$444.00

C.) \$69.00

D.) \$280.00

13.) Connor has a box of 30 chocolates. He eats 6 of them and places the rest of them into three bags for his sisters. How many chocolates are in each bag?

- A.) 6
- B.) 36
- C.) 24
- D.) 8

14.) Gabby bought 4 cartons of juice for 80 cents each. She gave the cashier \$5.00. How much change should Gabby receive?

- A.) \$1.32
- B.) \$4.20
- C.) \$3.20
- D.) \$1.80

15.) Mrs. Redding has four pencils. The pencils are 17cm, 12cm, 11cm and 10cm long. What is the total length of all Mrs. Redding's pencils?

A.) 50 cm

B.) 40 cm

C.) 60 cm

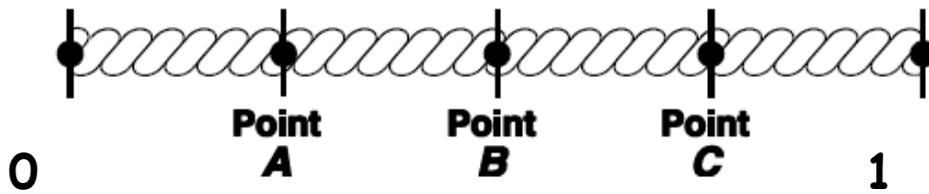
D.) 20 cm

Part II  
Free Response

- 1.) Two groups of students from Philmore Elementary School were walking to the library when it began to rain. The 7 students from Mrs. Henn's class shared the 3 large umbrellas they had with Mrs. Mally's group of 11 students. If the same number of students were under each umbrella, how many students were under each umbrella? *Show your work.*

Answer: \_\_\_\_\_ Number of Students

2.) Give a fraction that represents each point on the string compared to the whole.



Point A \_\_\_\_\_

Point B \_\_\_\_\_

Point C \_\_\_\_\_

Identify another fraction that is equivalent to the fraction represented by Point B.

\_\_\_\_\_

Identify another fraction that is equivalent to the fraction represented by Point C.

\_\_\_\_\_

- 3.) A third grade class decided to sell boxes of cookies to help raise money for a school trip. Each box had two bags of cookies inside, and each bag held 14 cookies. If each student needed to sell 4 boxes of cookies, how many cookies did each student sell?

Answer: \_\_\_\_\_ Number of Cookies

- 4.) **Part A:** What number sentence can be represented by the picture below?



Use the blanks below to create your number sentence.

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{4cm}}$$

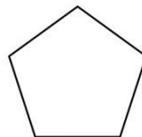


6.) Thomas needed to multiply  $8 \times 30$ . Explain how he could use a basic multiplication fact to help solve this problem.

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7.) Michaela wanted to find out how many sides in total were on 40 pentagons. Explain how she could use a basic fact to help solve this problem.

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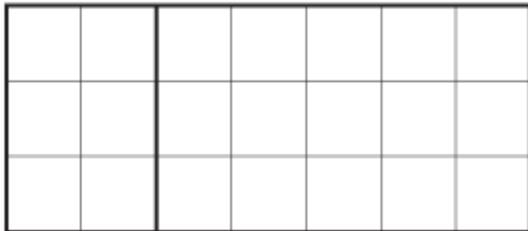
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8.) Anna cut 8 lengths of ribbon. Each length of ribbon was 20 cm. How many centimeters of ribbon did Anna cut in all?

Answer: \_\_\_\_\_ cm of ribbon

9.) Part A

Use the shape to answer the question.



Put numbers in the boxes to show the math sentence the shape can model.

$$\square \times \square + \square \times \square = \square \times (\square + \square)$$

10.)

**BUS STOP**  
The bus comes every  
15 minutes, starting at 5:53 A.M.  
and ending at 10:53 P.M.



The time is 3:25 P.M. When is the bus scheduled to arrive next? Use a number line to find the answer.

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Helpful websites that Stratford and Stewart Third Grade Teachers favor:

1. [IXL.com - IXL® Fun Math Practice](#) Need to subscribe

2.

3. [LearnZillion](#)

<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 \(3.NBT.2\)](#)

The following resources were utilized for the third grade summer packet. Answers are not provided on the sites.

<http://www.k-5mathteachingresources.com/index.html>,

<http://www.louisianaschools.net/lde/uploads/20048.pdf>

<http://www.engageny.org/common-core-curriculum-assessments>