Summer Package
Grade 4 going to Grade 5
(Week 2)
2018

Week 2 ----Grade 4 going to Grade 5

Name _____   Date _____

1) Draw an area model to solve the following. Find the value of the following expressions.

a. 30×60

b. 3×269

2) Use any place value strategy to multiply.

a. 3×68

b. 4×371

c. $7 \times 1,305$

d. $6,034 \times 5$

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Solve using a model or equation. Show your work and write your answer as a statement.

3) A movie theater has two rooms. Room A has 9 rows of seats with 18 seats in each row. Room B has three times as many seats as Room A. How many seats are there in both rooms?

4) The high school art teacher has 9 cases of crayons with 52 boxes in each case. The elementary school art teacher has 6 cases of crayons with 104 boxes in each case. How many total boxes of crayons do both teachers have? Is your answer reasonable? Explain.

5) Last year, Mr. Petersen's rectangular garden had a width of 5 meters and an area of 20 square meters. This year, he wants to make the garden three times as long and two times as wide.

   a. Solve for the length of last year's garden using the area formula. Then, draw and label the measurements of this year's garden.

Last Year   **This Year**

5 m | 20 square meters |

_____ m

    b.   How much area for planting will Mr. Petersen have in the new garden?

    c.   Last year, Mr. Petersen had a fence all the way around his garden. He can reuse all of the fence he had around the garden last year, but he needs to buy more fencing to go around this year's garden. How many more meters of fencing is needed for this year's garden than last year's?

    d.   Last year, Mr. Petersen was able to plant 4 rows of carrots with 13 plants in each row. This year, he plans to plant twice as many rows with twice as many carrot plants in each. How many carrot plants will he plant this year? Write a multiplication equation to solve. Assess the reasonableness of your answer.

6) What is the greatest multiple of 7 that is less than 60?

7) Identify each number as prime or composite. Then, list all of its factors.

    a.   3   _____   _____

    b.   6   _____   _____

    c.   15 _____   _____

    d.   24 _____   _____

    e.   29 _____   _____

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8) Use any place value strategy to divide.

    a) 3,600 ÷ 9

    b) 96 pencils come in a box. If 4 teachers share 3 boxes equally, how many pencils does each teacher receive?

9. 427 ÷ 3

    a. Solve by drawing place value disks.   b. Solve numerically.

10. Use any place value strategy to multiply or divide.

                                         b. 3,809 ÷ 5

    a. 5,316 ÷ 3

    c. 29 × 56   d. 17 × 43

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Solve using a model or equation. Show your work, and write your answer as a statement.

11. A new grocery store is opening next week.

a. The store's rectangular floor is 42 meters long and 39 meters wide. How many square meters of flooring do they need? Use estimation to assess the reasonableness of your answer.

b. The store ordered small posters and large posters to promote their opening. 12 times as many small posters were ordered as large posters. If there were 48 large posters, how many more small posters were ordered than large posters?

c. Uniforms are sold in packages of 8. The store's 127 employees will each be given 3 uniforms. How many packages will the store need to order?

d. There are three numbers for the combination to the store's safe. The first number is 17. The other two numbers can be multiplied together to give a product of 28. What are all of the possibilities for the other two numbers? Write your answers as multiplication equations, and then write all of the possible combinations to the safe.