

Name: _____

Ms. Napolitano

Date: _____

Dividing Multi-digit numbers

W13 Day 1 Homework

1 A farmer is packing 2,205 pounds of potatoes into boxes. Each box can hold 49 pounds. How many boxes can the farmer fill?

- A 10
- B 20
- C 45
- D 46

How are the numbers in the problem related?



2 What is the quotient of 6,135 and 15?

- A 40 R9
- B 49
- C 409
- D 6,120

How can estimation help me answer this question?



Olivia chose **B** as the correct answer. How did she get that answer?

3 A recipe for fruit punch calls for 2 cans of pineapple juice and 3 cans of orange juice. Hiri is making a large batch of juice for a community function and uses 72 cans of orange juice. How many cans of pineapple juice should he use?

Show your work.

What two numbers can you divide to help you solve this problem?



Solution: _____

- 4 Tell whether each quotient has a remainder. Select Yes or No.

- a. $782 \div 17$ Yes No
b. $1,296 \div 22$ Yes No
c. $4,256 \div 38$ Yes No

When will you have a remainder in dividing two numbers?



- 5 Which of these have the quotient 128? Select all that apply.

- A $2,048 \div 16$ C $5,760 \div 45$
B $2,986 \div 24$ D $6,576 \div 67$

Could estimation help me to eliminate any of the answer choices?



- 6 East High School had a total of 12,510 people in attendance during their 15-game soccer season. West High School had a total of 14,310 people for 18 games. On average, which school had a greater number of people watching per game? How much greater?

Show your work.

How can you find the average number of people who watched each game?



Solution: _____

- 7 A lightbulb manufacturer produces 20,000 lightbulbs each week. They ship the lightbulbs to stores in cartons of 75. How many cartons are needed to ship 20,000 lightbulbs?

- A 50 cartons C 266 cartons
B 250 cartons D 267 cartons

Do you need to round up or down because of the remainder?

