

Long Division

Week 17 Homework

NAME _____

DATE ^(Due) Monday 12/16/19

Explain why it is important to correctly line up numbers according to their place value when doing a division problem.

It is important to line up numbers correctly according to their place value when doing a division problem because

Complete sentences
correct
Capitalization
punctuation
and spelling

Remember 4 parts of an equation:

* Given, operation, equals sign, unknown

Word Problems

* Annotate!

(add notes/markings)

1. The 6 boys in Ms. Preyvus' class always ran together during recess. By the end of the year, they had walked a total of 192 miles. If they each ran the same number of miles, how many did each boy run? $192 \div 6 = M$

$$\begin{array}{r} 6 \overline{) 192} \end{array}$$

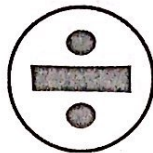
2. The brunch buffet cost the same for each adult. For the family of 8, the total cost was \$272. How much did it cost per person?

3. One Direction traveled from Phoenix, Arizona to Orlando, Florida on a first class airplane. The total cost for the 5 plane tickets was \$2,260. How much was each plane ticket?

4. Write and solve a word problem that requires long division.

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Find and explain the error in the division problem below.
Redo the problem correctly.

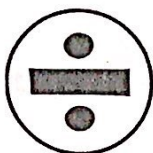
$$\begin{array}{r} 21 \\ 4 \overline{)95} \end{array}$$

Word Problems Part 2 **BONUS**

- ★ 1. Necklace Maker Nancy uses 32 beads for each necklace she makes. Her latest shipment of beads had 1,799 beads in it. How many necklaces can she make?
- ★ 2. Ms. Jones buys a package of pumpkin erasers to give her students. There are 988 erasers in the package, and she has 27 students in her class. If she splits them evenly, how many will each student get?
- ★ 3. From New York, NY to Cancun, Mexico it is 3,396 miles. If the family goes on a road trip and drives the same number of miles each for 12 days, how many miles will they drive each day?
- ★ 4. Jordan is making gifts for volunteers and orders 4,580 personalized M&Ms. She puts 34 M&Ms in each gift. How many gifts can she make?

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Solve the problem and **EXPLAIN** what the remainder represents in the problem below.

Clara the Cupcake Maker had 53 cups of sugar. She uses 3 cups of sugar for each batch of cupcakes. How many batches of cupcakes can she make?

Solve

Explain (complete sentence!)

Challenge Word Problems

(1 foot = 12 inches)

1. A 747 Airplane is 762 inches tall. How tall is it in feet?

2. The river raft ride at the amusement park can hold 12 riders at a time. There are 527 people in line. How many times will the ride need to run in order to get all 527 people through the ride?

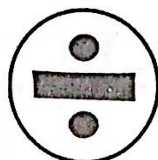
3. One school bus can hold 46 students. There are 29 students in each of the 5 fifth grade classes. How many buses will they need in order to transport everyone to the zoo for a field trip?

4. Write and solve a word problem that requires long division AND has a remainder.

BONUS

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1-digit Divisors

Problem	Solve	Check
One hundred thirty two divided by four		
$1,255 \div 5$		
Seven hundred fifty seven divided by six		

2-digit Divisors BONUS

Problem	Solve	Check
★ Six hundred seventy two divided by thirty seven		
★ $5,147 \div 22$		
★ One hundred seventy three divided by fourteen		