Try more problems: Everyone must do number 1 and number 2. Pick at least 2 more to solve.

1. Eduardo has a choice of whether to get paid in pennies, nickels, dimes, or quarters. For each type of coin, he will receive the following amounts: 1,000 pennies, 200 nickels, 450 dimes, or 41 quarters. Which type of coin should he choose if he wants to get paid the greatest amount of money?Show your work and write the equations.

2. Chef Fracto has 9 cups of milk. He uses 1/2 of the milk plus 1/2 cup to make pancakes. He uses 1/2 of what is left plus 1/2 cup to make French toast. Next, he uses 1/2 of what is left plus 1/2 cup to make muffins. How much milk does he use for each of the three recipes? How much milk is left?Draw a picture that is labeled and write the equations.

3. If a new neighbor moves in with pet dogs and birds, how many animals can there be if there are 10 legs altogether? Is there more than one answer?

4. A flea can jump 350 times its body length. If humans could jump like fleas, how far could you jump? –Show your work and write the equation.

5. 2006 is the product of three primes, 2 × 17 × 59. Find the first year that occurs after 2006, which is the product of three consecutive prime –

6. The product of the ages of twins and their younger brother is 36. How old are the children? –

7. How can you measure 13 minutes exactly with a 5-minute, 7-minute, and 11-minute hourglass? –

8. In how many different ways can you receive $20 from your bank if you ask for paper money only? –

Answer:

100 x 14, 700 14,700 divided by 100 3.41 x 1000 3.41 divided by 10

 27.5 cm = \_\_\_\_meters .25 meters = \_\_\_\_\_\_\_ cm 1.2 cm = \_\_\_\_\_\_millimeters

 4.5 kilograms = \_\_\_\_\_\_\_grams (remember there are 1000 grams in one kilogram)

374 x 56

How many hundreds are there in: (write the equation)

10,000? \_\_\_\_ x \_\_\_\_\_ = 10,000

100,000?

1,000,000?

154? 1250?