Name: .... Class: ....
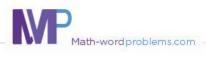
Divide 4-digit numbers by 2-digit numbers: word problems

a. A group of **4,924** people is boarding a cruise ship tour. If each cruise ship can hold **84** people, how many people will be on the last cruise ship.

b. A printing press needs to send **8,100** new textbooks to its publishing company. If each box can hold **90** textbooks, how many boxes will the printing press need?

c. Andy works at a private art gallery. Today, they managed to sell a total of **42** paintings for **$2,100**. How much did each painting cost if they had the same sale price?

d. Miss Lillian had 2,523 candies in her treat basket. She intended to share it between the 89 children that usually come to her house for trick- or- treating during Halloween. How many candies did each child get? How many candies were left over?

e. Yesterday, Joy plucked 562 grapes and 465 apples from the farm. If she divided these fruits equally among Lucy, Mathew, Charles, Rita and 8 more friends, how many fruits were left for her?

f. Miss Gina is a baker. Yesterday, she bought 3,534 grams of all- purpose flour. If she has to distribute this amount of flour in 10 bowls equally, how much flour will be in last bowl?

g. Gina has prepared about 4,362 balloons for her friend's upcoming wedding. She divided the balloons equally into 15 bags. How many balloons were in the partially filled bag?

h. Emilia has a budget of $5,789 to order some calculators to stock up her store. If each calculator costs $25, how many calculators can she buy? How much money will she be left with?

i. Last week, I picked 5,800 marbles. I decided to divide the marbles equally into 14 jars. How many marbles were in each jar? How many marbles were leftover?

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Divide 4-digit numbers by 2-digit numbers: word problems

a. A group of **4,924** people is boarding a cruise ship tour. If each cruise ship can hold **84** people, how many people will be on the last cruise ship.

To solve this, let's divide the total number of people by the number of people each cruise ship can hold.

$$4,924 \div 84$$

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        58
    84| 4924
      - 420↓          So, the remainder is 52.
        724
      - 672
         52
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Hence, 52 people will be on the last cruise ship.

b. Hence, the printing press will need 90 textbooks.

c. So, the cost of each painting was $50.

d. So, each child got 28 candies and 31 candies were left over.

e. So, 7 fruits were left for her.

f. So, the last bowl will have 0.4 grams of all-purpose flour.

g. So, there were 12 balloons in the partially filled bag.

h. So, she can buy 231 calculators and $14 will be left.

i. So, there were 414 marbles in each jar and 4 marbles were left.