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## Interpreting Remainders Worksheet-1

1. Find the remainder when 28 is divided by 3.
2. Divide 353 by 7 and verify by using division algorithm.
3. If a box has 50 chocolates, can all the chocolates be equally distributed among 8 children? If no, how many chocolates will be left after equal grouping?



4. Four friends went to a restaurant for lunch. If the total bill is \$362, how much does each person have to pay if they decide to share the bill equally among themselves? What is the amount left after equal sharing?
5. State true or false for each of the given division facts.
  - a)  $34 \div 2$  will give us 1 as the remainder.
  - b)  $208 \div 3$  will give us 1 as the remainder.
6. Match the following:

1	$68 \div 17$	a.	Remainder=1
2	$58 \div 4$	b.	Quotient=7
3	$105 \div 15$	c.	Remainder=2
4	$121 \div 20$	d.	Quotient=4

7. Divide 4 digit number by 2 digit number and write down the remainder.

a.  $2455 \div 25$

b.  $6125 \div 13$

8. Divide the following numbers by 13 and write the remainder in the box.

a) 1224

b) 108

9. Complete the given division algorithm.

$$124 = 5 \times 24 + \underline{\hspace{2cm}}$$

10. If the capacity of a carton is 11 mugs. Can we fit 156 mugs into those cartons without any left out? If no, find the number of mugs left out after equal grouping.



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"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

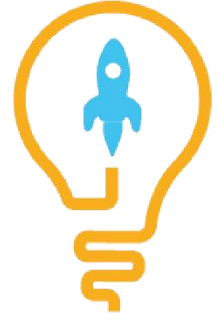
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

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**ANSWERS**

1)	1
2)	$353 = 7 \times 50 + 3$ Quotient=50 Remainder=3
3)	No, 2 chocolates will be left
4)	\$90, \$2
5)	False, True
6)	1-d, 2-c, 3-b, 4-a
7)	a) 5 b) 2
8)	a) 2 b) 4
9)	4
10)	No, 2 mugs are left

## FUN FACT

1. Symbol used for [division](#) is  $\div$  or  $/$ .
2. [Multiplication](#) is the inverse operation of division.
3. Division is one of the four basic arithmetic operations along with [addition](#), [subtraction](#) and multiplication.

