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## Divisibility Rules Worksheet-3

- 1) Which number(s) is /are divisible by 11?
  - a) 2340
  - b) 2330
  - c) 2320
  - d) 2310
  
- 2) State whether these statements are true or false.
  - a) Every even number is divisible by 4.
  - b) Every number that is divisible by both 3 and 5 is divisible by 15.
  
- 3) Check if 12034 is divisible by 14 or not?
  
- 4) List all the numbers from 1 to 10 by which 1000 is divisible.

\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

- 5) Twelve friends have gone to a restaurant for lunch. If the total bill amount is \$648, can it be divided equally among all the friends? If yes, what would be the share of each person?



- 6) Fill the blank with the largest possible digit that makes the given number divisible by 16?

39\_320

- 7) Fill the blank with the smallest possible digit that makes the given number divisible by 9?

8765\_9

- 8) Which of the following numbers are factors of 2020?

- a) 12
- b) 8
- c) 20

9) There are 75224 packets of pens in the cartons. If each carton contains the same number of packets, how many cartons could there be?

- a) 10                      b) 9                      c) 8                      d) 12

10) Color the factors of 22050 by using divisibility rules.



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- 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."

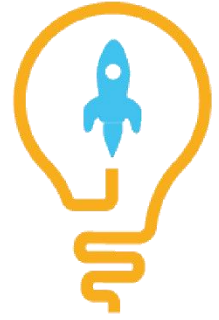
- Kirk Riley

"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)	d) 2310
2)	a) False, b) True
3)	12034 is NOT divisible by 14
4)	1, 2, 4, 5, 8, 10
5)	Yes, 648 is divisible by 12 \$54 each
6)	8
7)	1
8)	c)20
9)	8 cartons
10)	18, 10, 15

## FUN FACT

1. Every number that is divisible by both 3 and 5 is also divisible by 15.
2. Every number that is divisible by both 2 and 9 is also divisible by 18.
3. All the numbers that end by 000 are divisible by 8.

