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Divisibility Rules Worksheet-4

1) Circle the numbers that are divisible by 15.

235

21945

2000

1050

340

2025

243635

99945

19350

2) Fill the blank with the largest possible digit that makes the given number divisible by 11?

603_9

3) Check the divisibility of 3488 by the following numbers:

a) 12

b) 14

c) 16

4) Kate is playing with block. She wants to put all 336 block in stacks with equal number of blocks in each stack. Find in how many stacks are required out of the given option?

a) 10

b) 8

c) 11

d) 9



- 5) Check if 118566 is divisible by 18 or not?
- 6) Fill the blank with the smallest possible digit that makes the given number divisible by 14?
64075_
- 7) On sports day, if 4560 children have to be organized in teams such that every team will have equal number of children, how many teams could be possible?
a) 9 b) 11 c) 12 d) 14
- 8) Fill the divisibility table given below by writing 'Yes' or 'No'.

Number	Is the number divisible by__?		
	10	15	20
34565			
789180			

9) List all the numbers from 1 to 10 by which 20450 is divisible.

10) Emily made 105 cupcakes. She wants to arrange them into plates in such a way that every plate will carry equal number of cupcakes. How many plates can be used for this arrangement?



- a) 6
- b) 7
- c) 11
- d) 9

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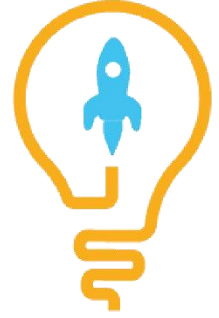
- Kirk Riley

"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)	1050, 21945,
2)	7
3)	c) 16
4)	b) 8
5)	Yes
6)	2
7)	c) 12
8)	34565- Not divisible by 10, 15 and 20 789180- Divisible by 10, 15 and 20
9)	1, 2, 5, 10
10)	b) 7

FUN FACT

1. A number whose thousands place digit is even and the last three digits are divisible by 16, the number will be divisible by 16.
2. Numbers having 0 as the unit place digit are divisible by 10.
3. If a is divisible by b , then b is a factor of a .

