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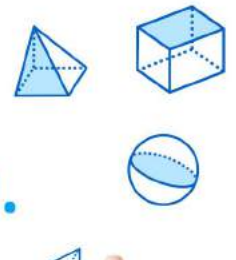

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# Divisibility Worksheet-2

1) Check the divisibility of 2044 by the following numbers:
   a) 3
   b) 6
   c) 2

2) Check if 8766 is divisible by 9 or not?

3) State whether these statements are true or false.
   a) If a number is divisible by both 2 and 3, then only it is considered as divisible by 6.
   b) If last two digit of a number is divisible by 8 then the number is divisible by 8.

4) A librarian wants to arrange 390 books equally in shelves that can contain 13 books per shelf. Is it possible for him to do that without any left out? If yes, find the number of shelves required for 390 books.

5) Which number(s) is /are divisible by 8?
   a) 2640
   b) 2930
   c) 2420
   d) 2210

6) Check whether 41295 is divisible by 15.

7) Fill the blank with the smallest possible digit that makes the given number divisible by 9?
   330_68

8) Fill the divisibility table given below by writing ‘Yes’ or ‘No’.

| | Is the number divisible by__? | | |
|---|---|---|---|
| Number | 4 | 8 | 7 |
| 4886 | | | |
| 9132 | | | |

9) There are 80 students in a class. Can the teacher make them sit in rows of having 6 students in each row?

10) List all the numbers from 1 to 10 by which 256 is divisible.

_____, _____, _____, _____

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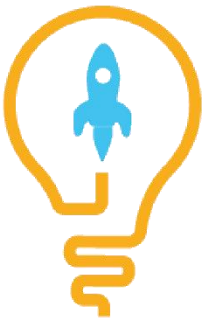

# ANSWERS

| | |
|---|---|
| 1) | c) 2 |
| 2) | Yes |
| 3) | a) True<br>b) True |
| 4) | Yes, 30 shelves |
| 5) | a)2640 |
| 6) | Yes the number is divisible by 15 |
| 7) | 7 |
| 8) | 4886- Divisible by 7<br>9132- Divisible by 4 and 8 |
| 9) | No, 80 is not divisible by 6. |
| 10) | 1, 2, 4, 8 |

## FUN FACT

1. Every number that is divisible by both 3 and 5 is also divisible by 15.

2. All the numbers that end by 000 are divisible by 8.

3. Divisibility was invented by Martin Gardner