

## 5

## Divisibility



Date: \_\_\_\_\_

Mark: \_\_\_\_\_



Circle all the answers according to the instructions.

1. Numbers divisible by 2

4      27      196      221      370

2. Numbers divisible by 3

35      112      357      642      803

3. Numbers divisible by 5

39      80      154      205      618

4. Numbers divisible by 10

13      45      260      390      426



Answer the following questions.

80 apples



96 oranges



75 pears



5. Which kind of fruit can be divided into bags of 2 or 3 without any left?

Answer: \_\_\_\_\_

6. Which kind of fruit can be divided into bags of 5 or 10 without any left?

Answer: \_\_\_\_\_

7. Which kind of fruit can be divided into bags of 3 or 5 without any left?

Answer: \_\_\_\_\_

8. Which of the following numbers are divisible by 3? Arrange them from the greatest to the smallest.

10782

21675

54746

13560

92813

Answer: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(Greatest) (Smallest)

9.



Using the above number cards to form numbers,

(a) the smallest 5-digit number that is divisible by 2 is \_\_\_\_\_, and

(b) the greatest 5-digit number that is divisible by 2, 5 and 10 is \_\_\_\_\_.

10. What is the greatest 4-digit number that is divisible by 5 and 10?

Answer: \_\_\_\_\_

11. At least how much should be added to 2020 so that it is divisible by 3?

A. 1

B. 2

C. 3

D. 4

**12.** If  $M$  is divisible by 2 and  $N$  is divisible by 5, which of the following(s) must be divisible by 10?  
Advanced

I.  $M + N$

II.  $M \times N$

III.  $15 \times M$

A. I only

B. I and II only

C. II and III only

D. I, II and III

**Scoring Key**

You can assume  $M$  and  $N$  to be certain numbers that fit the requirements first.

**Brain Quest**



**Detailed tips**

$87ABC$  is a five-digit number which is divisible by 2, 3 and 5. If the values of  $A$ ,  $B$  and  $C$  are different, what is the least value of this number?

Answer: \_\_\_\_\_