**Math 6 - Unit 1: Number System Fluency** Name:

*Factors, Multiples, GCF and LCM Review*

Class Period: 1 2 3 4 Date:

*Use the divisibility rules to determine if 2, 3, 4, 5, 6, 9 or 10 are factors of the given numbers. Circle each of the numbers that are factors in the problems below.*

1) 144:

2 Y N Why?

3 Y N Why?

4 Y N Why?

5 Y N Why?

6 Y N Why?

9 Y N Why?

10 Y N Why?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2) 27: | 2 3 4 5 6 9 10 |  | 3) 4518: | 2 3 4 5 6 9 10 |
| 4) 36: | 2 3 4 5 6 9 10 |  | 5) 93: | 2 3 4 5 6 9 10 |
| 6) 16: | 2 3 4 5 6 9 10 |  | 7) 144: | 2 3 4 5 6 9 10 |
| 8) 28: | 2 3 4 5 6 9 10 |  | 9) 256: | 2 3 4 5 6 9 10 |
| 10) 57: | 2 3 4 5 6 9 10 |  | 11) 75: | 2 3 4 5 6 9 10 |
| 12) 102: | 2 3 4 5 6 9 10 |  | 13) 450: | 2 3 4 5 6 9 10 |

*Use a factor rainbow or a table of factors to help you list* ***ALL*** *the factors for the following numbers:*

14) 140

16) 39

18) 35

15) 164

17) 74

19) 14

*Find the first 5 multiples of the following numbers.*

20) 11: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

22) 6: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

24) 3: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

21) 10: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

23) 100: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

25) 8: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

*Use the sled method or the list method to find the GCF (Greatest Common Factor).*

26) 15 and 12

28) 40 and 60

27) 8 and 15

29) 12 and 4

*Use the sled method or the list method to find the LCM (Least Common Multiple).*

30) 6 and 12

32) 4 and 6

31) 8 and 5

33) 2 and 4

*Use the sled method or the list method to find the GCF and LCM.*

34) 3 and 2

36) 4 and 10

35) 5 and 4

37) 12 and 6