

Math 6 - Unit 1: Number System Fluency

Factors, Multiples, GCF and LCM Review

Name: _____

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
4) 36:	2	3	4	5	6	9	10
6) 16:	2	3	4	5	6	9	10
8) 28:	2	3	4	5	6	9	10
10) 57:	2	3	4	5	6	9	10
12) 102:	2	3	4	5	6	9	10

3) 4518:	2	3	4	5	6	9	10
5) 93:	2	3	4	5	6	9	10
7) 144:	2	3	4	5	6	9	10
9) 256:	2	3	4	5	6	9	10
11) 75:	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

15) 164

16) 39

17) 74

18) 35

19) 14

Find the first 5 multiples of the following numbers.

20) 11: _____, _____, _____, _____, _____

21) 10: _____, _____, _____, _____, _____

22) 6: _____, _____, _____, _____, _____

23) 100: _____, _____, _____, _____, _____

24) 3: _____, _____, _____, _____, _____

25) 8: _____, _____, _____, _____, _____

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

26) 15 and 12

27) 8 and 15

28) 40 and 60

29) 12 and 4

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

30) 6 and 12

31) 8 and 5

32) 4 and 6

33) 2 and 4

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

34) 3 and 2

35) 5 and 4

36) 4 and 10

37) 12 and 6