Math 6 - Unit 1: Number System Fluency

Mid-Unit Test STUDY GUIDE - OL

Name: _____

Class Period: 1   2   3   4   Date: _____

1) What does $45 \div 9$ mean?	2) Is it possible to find the "Greatest Common **Multiple**" of 2 numbers? Why or Why Not?
3) Find the **greatest common factor** of 14 and 28.	4) Find the **least common multiple** of 6 and 10.
5) List **ALL** the **factors** of 18?	6) List the first 4 **multiples** of 8.
7) If a number isn't even, can it be divisible by 6?	8) Ticket sales for a concert totaled $77,778. Tickets for the concert cost $18 each. How many tickets were sold?
9) A roller coaster train holds 32 passengers. If there are 266 people in line to ride, how many times will the train have to go for everyone to be able to ride?	10) There are 36 kids in a class. The teacher is putting them in teams of 7. How many **complete** teams of 7 can be made?

11) How can you quickly determine if a number is divisible by 5?	12) What number is a **factor** of all numbers?
13) Divide: $520 \div 3 =$	14) Divide: $9990 \div 18 =$
15) Find the **GCF** and **LCM** of 15 and 18.	16) Find the GCF and LCM of 20 and 15.
17) Divide: $1423 \div 12 =$	18) Divide: $450 \div 15 =$
19) List **all** the **factors** of **12**.	20) List the first 4 **multiples** of 14.

Name: _____

Class Period: 1   2   3   4   Date: _____

1) What does 45 ÷ 9 mean? **It means you are looking for how many times the divisor (9) goes into the dividend (45.)**	2) Is it possible to find the "Greatest Common **Multiple**" of 2 numbers? Why or Why Not? **No it is not possible, because multiples go on forever to infinity. There isn't a greatest multiple.**
3) Find the **greatest common factor** of 14 and 28. **GCF = 14**	4) Find the **least common multiple** of 6 and 10. **LCM = 30**
5) List **ALL** the **factors** of 18? **1, 2, 3, 6, 9, 18**	6) List the first 4 **multiples** of 8. **8, 16, 24, 32**
7) If a number isn't even, can it be divisible by 6? **No because in order for a number to be divisible by 6, it must be divisible by both 2 and 3. If a number isn't even, it cannot be divisible by 2.**	8) Ticket sales for a concert totaled $77,778. Tickets for the concert cost $18 each. How many tickets were sold? **4321 Tickets**
9) A roller coaster train holds 32 passengers. If there are 266 people in line to ride, how many times will the train have to go for everyone to be able to ride? **9 times**	10) There are 36 kids in a class. The teacher is putting them in teams of 7. How many **complete** teams of 7 can be made? **5 complete teams**

11) How can you quickly determine if a number is divisible by 5? **If a number ends in a zero or a 5 it is divisible by 5.**	12) What number is a **factor** of all numbers? **1 is a factor of all numbers.**
13) Divide: $520 \div 3 =$ $173\frac{1}{3}$	14) Divide: $9990 \div 18 =$ **555**
15) Find the **GCF** and **LCM** of 15 and 18. **GCF = 3** **LCM = 60**	16) Find the **GCF** and **LCM** of 20 and 15. **GCF = 5** **LCM = 60**
17) Divide: $1423 \div 12 =$ $118\frac{7}{12}$	18) Divide: $450 \div 15 =$ **30**
19) List **all** the **factors** of **12**. **1, 2, 3, 4, 6, 12**	20) List the first 4 **multiples** of 14. **14, 28, 42, 56**