

Unit 1 Pt. 1 Review: GCF/LCM and Long Division

**Complete the following problems to review this unit.
You must show all work to receive credit!**

- 1) Find the greatest common factor of 30 and 48.
- 2) Find the least common multiple of 10 and 6.
- 3) Which choice lists all the factors of 48?
a. 1, 2, 4, 12, 24, 48 b. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
c. 0, 1, 2, 4, 6, 8, 12, 16, 48 d. 1, 2, 3, 4, 6, 10, 12, 15, 18, 24, 48
- 4) Is it possible to have a Greatest Common Multiple? Yes No
Explain your reasoning. _____

- 5) Is it possible to have a Least Common Factor? Yes No
Explain your reasoning. _____

For #s 6 & 7, find the quotient, and write your remainders as a fraction AND a decimal.

6) $2 \overline{)537}$

Fraction:

Decimal:

7) $15 \overline{)6,138}$

Fraction:

Decimal:

4a

- 8) Talia has 28 pencils and 42 erasers. She is splitting them into bags for new students. Each bag will have an equal number of pencils and erasers. What is the maximum number of bags she can make? How many pencils and erasers will be in each bag?
bags she can make: _____
pencils per bag: _____
erasers per bag: _____
- 9) Hot dogs come in packs of 8 and hot dog buns come in packs of 10. What is the least number of packs of each that can be bought to make hot dogs (one hot dog and one bun) with no hot dogs or buns left over?
total number of hot dogs: _____
packs of hot dogs: _____
packs of buns: _____
- 10) A shipment of 478 textbooks came to a school. The books are being given out in class sets of 25. How many classrooms will receive a full class set of textbooks?
- 11) There are 1,460 people waiting to ride a roller coaster. Each cart takes 30 people. How many carts will it take for everyone in line to have a turn?

4b