

MATH 4: ASSIGNMENT 6
OCTOBER 27, 2019
HOMEWORK

1. Find LCM and GCD of the following numbers using prime factorization:
 - a. 16 and 12
 - b. 28 and 30
 - c. 196 and 21
2. A package of plastic forks contains 16 forks. A package of plastic knives contains 12 knives. What is the smallest number of packages of each kind you have to buy to get exactly the same number of forks as knives?
3. Compute: (*Make sure you do not make mistake while coping the problem to your quadrille paper*)
 - a. $2 - 7 - (-4) =$
 - b. $12 - (-7) + 4 =$
 - c. $-1 - (-8) =$
 - d. $-2 - 7 - 4 =$
 - e. $-14 + 4 =$
4. Open parenthesis: (*Make sure you do not make mistake while coping the problem to your quadrille paper*)

a) $(x + 7) =$	e) $2(3x - 1) =$
b) $(x + 7) \cdot 2 =$	f) $11(2x + 3) =$
c) $3(x - 3) =$	g) $(3x - 2) \cdot 3 =$
d) $5(1 - x) =$	h) $(2 - x) \cdot 2 =$
5. A boy found a portal to “Jurassic Park” movie and back and decided to bring dinosaur’s eggs home and hatch them in an incubator to raise his school popularity. First night the boy successfully brought some eggs of “unknown species” home in a plastic bag and hid them under the bed. Next day he brought 18 eggs of Velociraptor and decided never using portal anymore. The total number of eggs at the end was 3 times more than the number of eggs he brought the first night. How many eggs of “unknown species” the boy brought home for raising his popularity? (*Use equation for this problem*)
6. An apple cost 5 cents, and an orange 7 cents. Marina bought some apples and oranges, 20 fruit in all, and paid \$1.14. How many apples and how many oranges did she buy? (*Try to think how you can solve it without using an equation*).