Post Test Review Math 6 Unit 1

Name: Key Date Period

1. Using one of the division algorithms learned in class, explain how to divide fractions.

I - Improper
S - Same 1st fraction
O - Opposite operation
A - and
R - reciprocal

① Change mixed numbers to improper
② keep the first fraction the same
③ Opposite operation of div - mult
④ use the reciprocal of the 2nd fraction
⑤ multiply
⑥ Simplify

2. Find the greatest common factor of 84 and 52.

GCF: 4

3. Find the least common multiple for 7 and 9.

LCM: 63

4. $24\overline{)5904}$ 246

5. $10.58 + 4.6 + 20 =$ 35.18

6. $(2.65)(3.2)$ 8.48

7. $\frac{7}{12} \div \frac{3}{4} =$ $\frac{7}{9}$

8. $72 - 3.56 =$ 68.44

9. $3\frac{4}{5} \div \frac{2}{3} =$ $5\frac{7}{10}$

10. Jessica buys cat food every 8 days and dog food every 10 days. If she buys both kinds of pet food today, in how m any days will she next buy both kinds of pet food?

In 40 days she will buy both cat food & dog food.

11. The quarterback threw the football $40\frac{1}{3}$ yards over 5 plays. How many yards did the quarterback average per play?

He averaged $8\frac{1}{15}$ yd. per play

12. Sandy used 15.75 yards of ribbon to make bows for the dance. If each bow required 0.5 yards of ribbon, how many bows did she make?

She can make 31 bows.

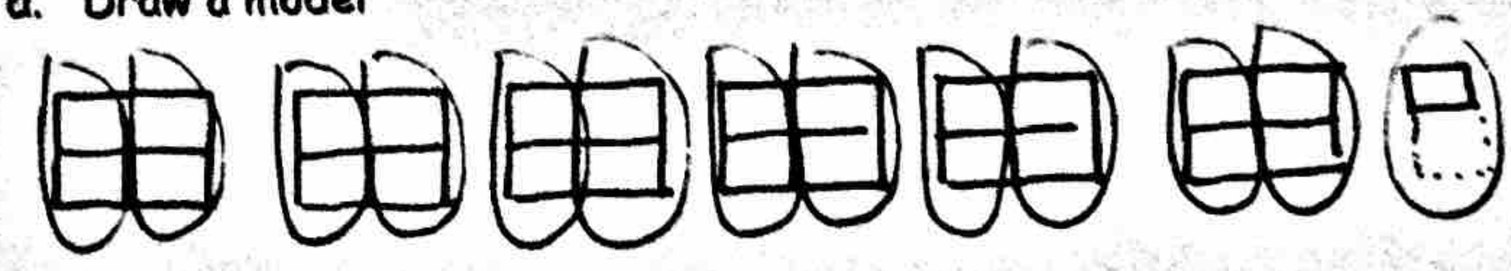
13. Jack has twelve pounds of coffee. He wants to repackage the coffee into bags of size $\frac{1}{3}$ pound. How many bags of coffee can he make?

Jack can make 36 $\frac{1}{3}$-pound bags of coffee

14. Using the distributive property, write an expression that is equivalent to 24+18 = 6(4+3)

15. Elliott is cutting a roll of cookie dough into pieces that are $\frac{1}{2}$ inch thick. If the roll of cookie dough is 6 $\frac{1}{4}$ inches long, how many cookies can he make?

a. Draw a model



b. Show the algorithm

$6\frac{1}{4} \div \frac{1}{2} = 12\frac{1}{2}$ or $\frac{25}{2}$

16. Nikki has $10 to buy school supplies. She buys 6 folders that are $0.79 each. She spends the remaining money buying pencils that are $0.29 each. How many pencils can she buy?

Nikki can buy 18 pencils with her remaining money.

17. A shelf has a width of $28\frac{3}{4}$ inches. If DVDs have a width of $\frac{1}{2}$ inch, how many DVDs can be placed on the shelf?

57 DVDs can be placed on a shelf that is $28\frac{3}{4}$ in

18. Ms. Ford was giving away treats in math last Tuesday. She gave every 6th person who had their math notebook a ticket and every 24th person who had their math notebook a lollipop. Which person would be the first to get both a sticker and a lollipop?

The 24th student would be the first to recieve both.