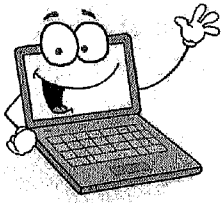Name: _____

Check Me Out!

Want a quick review? Check out this week's (or previous week's) tutorials at mcdbsesmath.weebly/homework.html

This week's topics: finding factors, interpreting story problems, and multiplying using the distributive property.

Solve as many as you can in one minute.

90 x 6 = _____   60 x 9 = _____   70 x 70 = _____   2 x 40 = _____

30 x 60 = _____   9 x 400 = _____   50 x 6 = _____   60 x 8 = _____

800 x 9 = _____   90 x 90 = _____   4 x 300 = _____   50 x 90 = _____

70 x 5 = _____   800 x 8 = _____   30 x 50 = _____   50 x 80 = _____

Find all the factors of 24, 31, and 40.

24
/ \

31
/ \

40
/ \

What factors do 24, 31, and 40 have in common? _____

Use the distributive property as shown to find each product.

$73 \times 6 \quad = \quad 70 \times 6 \quad + \quad 3 \times 6 \quad = \quad 420 + 18 \quad = \quad 438$

$17 \times 7 \quad = \quad \underline{} \times 7 \quad + \quad \underline{} \times 7 \quad = \quad 70 + 49 \quad = \quad 119$

$81 \times 3 \quad = \quad \underline{} \times 3 \quad + \quad \underline{} \times 3 \quad = \quad \underline{} + \underline{} \quad = \quad 243$

$83 \times 2 \quad = \quad \underline{} \times \underline{} \quad + \quad \underline{} \times \underline{} \quad = \quad \underline{} + \underline{} \quad = \quad 166$

$41 \times 2 \quad = \quad \underline{} \times \underline{} \quad + \quad \underline{} \times \underline{} \quad = \quad \underline{} + \underline{} \quad = \quad \underline{}$

Read each story problem and circle the equation or equations that match the story.

Frank's parents gave him a boxer puppy when he turned 10. When Frank first brought the puppy to the vet, it weighed 6 pounds. When Frank brought his dog to the vet recently, it weighed 42 pounds. How many times heavier is the dog now than it was when Frank first brought it to the vet?

$6 + ? = 42 \qquad 42 - 6 = ?$

$42 \times 6 = ? \qquad 42 + 6 = ?$

$6 \times ? = 42 \qquad ? - 6 = 42$

Carlyn's class has been working on chin-ups in PE class. When she first tried chin-ups, she couldn't do that many. After a month of practice, Carlyn can now do 6 times as many as when she started. If Carlyn did 3 on her first attempt, how many is she able to do now?

$3 \times 6 = ? \qquad 6 \times 3 = ?$

$6 \div 3 = ? \qquad 3 + 6 = ?$

$? \div 6 = 3 \qquad 3 \times ? = 6$