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: interpreting reminders when dividing and using the area model to multiply two-digit numbers.

Solve as many as you can in one minute.

$24 \div 8 =$ _____ $18 \div 3 =$ _____ $9 \div 3 =$ _____ $40 \div 8 =$ _____

$9 \div 1 =$ _____ $40 \div 4 =$ _____ $70 \div 10 =$ _____ $54 \div 9 =$ _____

$42 \div 7 =$ _____ $36 \div 6 =$ _____ $8 \div 1 =$ _____ $14 \div 7 =$ _____

$9 \div 9 =$ _____ $90 \div 9 =$ _____ $3 \div 3 =$ _____ $7 \div 7 =$ _____

$18 \div 6 =$ _____ $8 \div 4 =$ _____ $8 \div 2 =$ _____ $15 \div 3 =$ _____

Read each story problem and then interpret the remainder of the matching equation. Write the answers to the story problems on the lines.

10) Victor is trying to earn 33 dollars for some new toys. If he charges 6 dollars to mow a lawn, how many lawns will he need to mow to earn the money?

$33 \div 6 = 5 \text{ r}3$

10. _____

11) Gwen had 62 songs on her mp3 player. If she wanted to put the songs equally into 9 different playlists, how many songs would she have left over?

$62 \div 9 = 6 \text{ r}8$

11. _____

12. _____

12) An art museum had 22 pictures to split equally into 5 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?

$22 \div 5 = 4 \text{ r}2$

Decompose the factors in the equations in order to solve using mental math. An example is done for you. Do at least one.

320 x 70 = ?   290 x 60 = ?   740 x 30 = ?

300 x 70 = 21000

20 x 70 = 1400
_____

320 x 70 = 22400   290 x 60 = _____   740 x 30 = _____

Use the area model to find the product of the expressions. Do at least one.

76 x 53 = _____   37 x 19 = _____

Find the numerator or denominator that will make each pair of fractions equivalent.

$$\frac{1}{} = \frac{4}{8} \qquad \frac{4}{} = \frac{16}{24} \qquad \frac{}{10} = \frac{20}{40} \qquad \frac{5}{6} = \frac{20}{}$$

Find the sum or difference of each expression. If the answer is an improper fractions, rename it as a mixed number.

2. $\frac{5}{2} + \frac{15}{2}$ 6. $\frac{7}{12} + \frac{17}{12}$ 10. $\frac{21}{2} - \frac{7}{2}$