

Name: _____

THURSDAY
NIGHT

**Check
Me
Out!**



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

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

Solve as many as you can in one minute.

$20 \div 5 =$ _____	$15 \div 3 =$ _____	$56 \div 7 =$ _____	$10 \div 2 =$ _____
$72 \div 9 =$ _____	$20 \div 10 =$ _____	$3 \div 1 =$ _____	$16 \div 8 =$ _____
$2 \div 2 =$ _____	$4 \div 1 =$ _____	$49 \div 7 =$ _____	$5 \div 1 =$ _____
$12 \div 6 =$ _____	$9 \div 1 =$ _____	$8 \div 8 =$ _____	$80 \div 10 =$ _____
$10 \div 1 =$ _____	$70 \div 7 =$ _____	$18 \div 6 =$ _____	$36 \div 9 =$ _____

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

- | | | |
|---|----------------------------|----------|
| 1) Mike has to sell 26 chocolate bars to win a trip. If each box contains 3 chocolate bars, how many boxes will he need to sell to win the trip? | $26 \div 3 = 8 \text{ r}2$ | 1. _____ |
| 2) A new video game console needs 7 computer chips. If a machine can create 62 computer chips a day, how many video game consoles can be created in a day? | $62 \div 7 = 8 \text{ r}6$ | 2. _____ |
| 3) A botanist picked 77 flowers. She wanted to put them into 9 bouquets with the same number of flowers in each. How many more should she pick so she doesn't have any extra? | $77 \div 9 = 8 \text{ r}5$ | 3. _____ |

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

$320 \times 70 = ?$

$860 \times 30 = ?$

$450 \times 90 = ?$

$300 \times 70 = 21000$

$20 \times 70 = 1400$

$320 \times 70 = 22400$

$860 \times 30 = \underline{\hspace{2cm}}$

$450 \times 90 = \underline{\hspace{2cm}}$

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

$62 \times 47 = \underline{\hspace{2cm}}$

$93 \times 84 = \underline{\hspace{2cm}}$

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

$\frac{7}{12} = \frac{\quad}{60}$

$\frac{1}{5} = \frac{2}{\quad}$

$\frac{2}{9} = \frac{8}{\quad}$

$\frac{2}{4} = \frac{10}{\quad}$

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

1. $\frac{13}{2} + \frac{1}{2}$

5. $\frac{19}{4} - \frac{13}{4}$

9. $\frac{16}{9} - \frac{4}{9}$