

Name: _____

MONDAY
NIGHT

**Check
Me
Out!**



Want a quick review? Check out this week's (or previous week's) tutorials at mcdbsemath.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.

$24 \div 6 =$ _____	$10 \div 5 =$ _____	$28 \div 4 =$ _____	$24 \div 8 =$ _____
$3 \div 3 =$ _____	$8 \div 2 =$ _____	$42 \div 6 =$ _____	$6 \div 3 =$ _____
$35 \div 7 =$ _____	$12 \div 6 =$ _____	$14 \div 2 =$ _____	$2 \div 1 =$ _____
$20 \div 2 =$ _____	$27 \div 3 =$ _____	$9 \div 3 =$ _____	$60 \div 6 =$ _____
$6 \div 1 =$ _____	$72 \div 9 =$ _____	$6 \div 2 =$ _____	$14 \div 7 =$ _____

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

4) An industrial machine can make 13 crayons a day. If each box of crayons has 5 crayons in it, how many full boxes does the machine make a day?

$13 \div 5 = 2 \text{ r}3$

5) At the carnival, 6 friends bought 27 tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?

$27 \div 6 = 4 \text{ r}3$

6) Jerry had 60 baseball cards he's putting into a binder with 8 on each page. How many cards will he have on the page that isn't full?

$60 \div 8 = 7 \text{ r}4$

4.	_____
5.	_____
6.	_____

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

$320 \times 70 = ?$

$460 \times 50 = ?$

$530 \times 30 = ?$

$300 \times 70 = 21000$

$20 \times 70 = 1400$

$320 \times 70 = 22400$

$460 \times 50 = \underline{\hspace{2cm}}$

$530 \times 30 = \underline{\hspace{2cm}}$

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

$45 \times 67 = \underline{\hspace{2cm}}$

$83 \times 14 = \underline{\hspace{2cm}}$

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

$\frac{1}{\quad} = \frac{4}{24}$

$\frac{1}{3} = \frac{5}{\quad}$

$\frac{3}{7} = \frac{12}{\quad}$

$\frac{\quad}{3} = \frac{3}{9}$

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

$4. \frac{10}{7} + \frac{3}{7}$

$8. \frac{3}{7} + \frac{17}{7}$

$12. \frac{19}{12} - \frac{17}{12}$