

Name: \_\_\_\_\_

TUESDAY  
NIGHT

**Check  
Me  
Out!**



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

$6 \div 3 =$	_____	$10 \div 5 =$	_____	$45 \div 9 =$	_____	$45 \div 5 =$	_____
$15 \div 5 =$	_____	$20 \div 10 =$	_____	$5 \div 5 =$	_____	$4 \div 1 =$	_____
$12 \div 3 =$	_____	$2 \div 1 =$	_____	$1 \div 1 =$	_____	$6 \div 6 =$	_____
$36 \div 4 =$	_____	$64 \div 8 =$	_____	$24 \div 4 =$	_____	$6 \div 1 =$	_____
$60 \div 6 =$	_____	$80 \div 8 =$	_____	$90 \div 10 =$	_____	$12 \div 2 =$	_____

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

7) A pizza store had 19 pieces of pepperoni to put on their pizzas. If each pizza got 3 pieces, how many extra pieces of pepperoni would they have?

$19 \div 3 = 6 \text{ r}1$

8) A grocery store needed 7 cans of peas. If the peas come in boxes with 3 cans in each box, how many boxes would they need to order?

$7 \div 3 = 2 \text{ r}1$

9) Carol wanted to drink exactly 6 bottles of water each day, so she bought 14 bottles when they were on sale. How many more bottles will she need to buy on the last day?

$14 \div 6 = 2 \text{ r}2$

7.	_____
8.	_____
9.	_____

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

$320 \times 70 = ?$

$680 \times 20 = ?$

$930 \times 70 = ?$

$300 \times 70 = 21000$

$20 \times 70 = 1400$ 

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$320 \times 70 = 22400$

$680 \times 20 = \underline{\hspace{2cm}}$

$930 \times 70 = \underline{\hspace{2cm}}$

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

$28 \times 26 = \underline{\hspace{2cm}}$

$57 \times 32 = \underline{\hspace{2cm}}$

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

$\frac{1}{4} = \frac{\quad}{8}$

$\frac{5}{8} = \frac{15}{\quad}$

$\frac{1}{7} = \frac{\quad}{21}$

$\frac{\quad}{9} = \frac{12}{27}$

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

$3. \frac{11}{2} + \frac{19}{2}$

$7. \frac{1}{12} + \frac{23}{12}$

$11. \frac{8}{5} + \frac{3}{5}$