WEB MATH MINUTE

Multiplication & Division from 1 to 12

NAME _____

SCORE _____

21 ÷ 3	6 × 8	9 ÷ 9	18 ÷ 2	64 ÷ 8	18 ÷ 6	25 ÷ 5	1 × 6	11 × 5	5 × 3
5 × 1	96 ÷ 12	48 ÷ 4	2 × 9	55 ÷ 11	88 ÷ 8	35 ÷ 5	28 ÷ 4	2 × 7	12 × 7
24 ÷ 2	7 × 11	8 × 3	8 × 10	9 × 1	10 × 1	10 × 11	24 ÷ 6	4 × 6	2 × 11
6 × 1	7 ÷ 7	18 ÷ 3	66 ÷ 6	3 ÷ 1	4 ÷ 1	16 ÷ 2	7 × 10	70 ÷ 10	12 × 5
6 × 2	12 ÷ 2	9 × 4	4 × 8	2 × 10	70 ÷ 7	24 ÷ 8	14 ÷ 2	11 × 11	5 × 12

Directions: Solve each problem below, show your work in the work space.

Set #1

Problem #1:

Over the weekend, Annie and Hillary decided to start a hot cocoa stand at the ice skating rink in their neighborhood. They prepared the cocoa at home in gallon jugs before they sold it. They sold the cocoa in pints and cups. On Saturday they sold 132 cups and 42 pints, and on Sunday they sold 144 cups and 54 pints. What is the least total gallons they could have prepared for their sale?

Answer:

Problem #2:

Hundreds of students signed up to take the jazz dance class at Wilmer Middle School so they had to divide the groups into 3 sessions. There were 27 people in each row and 9 rows during each session. How many students signed up for the jazz class?

Answer:

Problem #3:

Student	Number of Baskets
Kari	4.25
Kailyn	3.75
Kevin	5.5

Kari, Kailyn and Keven decided to surprise their parents and pick the remaining apples that were left in their apple orchards. How many less baskets of apples did Kevin pick than Kari and Kailyn put together?

Answer:

Problem #4:

You brought 50 cookies to school for your birthday and you wanted to give 1/2 of the cookies to your classmates. Then you decided to give $\frac{1}{5}$ of the remainder of the cookies to your best friend on the way home from school. How many cookies were left?

Answer:

Challenge Problem #5:

If you started with 4 dozen doughnuts and gave every member of your family (those currently living in your home full-time) 1/8 of the doughnuts and then ate two doughnuts yourself, how many doughnuts would you have left?

Answer:

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Maria's Multiplication page 1 of 2

1 Maria is practicing solving problems using the standard algorithm for multiplication. She knows the first step, but then she gets stuck. Finish these problems Maria started.

6	2	4
38	84	26
× 28	× 37	× 97
4	8	182

2 Fill in the boxes to complete the problems.

23	15
× 11	× 12
□3	□0
+□□□	+ 1□0

3 Conrad always likes to use the standard algorithm. He has to solve 99 × 38. Can you recommend another strategy to Conrad that might be more efficient? Explain.

4 **CHALLENGE** Lydia also likes to use the standard algorithm for multiplication. She has to solve 32 × 8.25. Recommend another strategy to Lydia, and show her how to use that strategy to solve this problem.

(continued on next page)

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Maria's Multiplication page 2 of 2

Review

5 Finish the number pattern for the rule: $2n + 1$

3, 5, _____, _____, _____, _____, _____, _____, _____, _____

6 Finish the number pattern for the rule: $4n + 1$

5, 9, _____, _____, _____, _____, _____, _____, _____, _____

7 What do you notice about the two number patterns you just completed? How are they similar? How are they different?

8 Multiply:

a $8.7 \times 10 =$ _____

b $8.7 \times 100 =$ _____

c $8.7 \times 1{,}000 =$ _____

d $8.7 \times 0.1 =$ _____

e $8.7 \times 0.01 =$ _____

f Look at the zeroes and the decimal points in your answers. What do you notice?

2-Digit by 2-Digit Multiplication (A)

Name: _____ Date: _____ Score: ____ /20

Calculate each product.

14 × 83	93 × 65	82 × 60	77 × 11	52 × 80
24 × 83	49 × 55	13 × 18	35 × 61	15 × 51
92 × 32	25 × 65	25 × 67	96 × 17	24 × 11
60 × 21	13 × 34	28 × 53	37 × 76	57 × 57