

~~Due~~ Monday 11/11/19

Name _____

4th Grade Homework - Week 13

Review
5.1-6.5

Solve 5×693 using the area model and the expanded algorithm.

Area Model



Expanded Algorithm

x _____

+ _____

Fill in the numbers missing from the equations showing the distributive property below.

$$5 \times 36 = (5 \times 30) + (5 \times \underline{\quad})$$

$$8 \times 284 = (8 \times 200) + (8 \times \underline{\quad}) + (8 \times \underline{\quad})$$

$$6 \times 57 = (\underline{\quad} \times 50) + (\underline{\quad} \times 7)$$

$$2,754 \times 3 = (3 \times 2,000) + (3 \times \underline{\quad}) + (3 \times 50) + (\underline{\quad} \times 4)$$

$$642 \times 8 = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$

What basic fact can you use to help you solve 800×8 ?

Select the expressions with a product of 2,400.

- 400×6
- 60×4
- 12×10
- 2×120
- $1,200 \times 2$

Monday

Franklin has 68 quarters. His friend has 5 times as many quarters. How many quarters does his friend have?

Show work!

Remember to circle and dot!

- Multiply to find each product.
- $900 \times 5 = \underline{\quad}$
 - $6 \times 70 = \underline{\quad}$
 - $300 \times 4 = \underline{\quad}$
 - $8 \times 50 = \underline{\quad}$
 - $200 \times 7 = \underline{\quad}$
 - $5 \times 500 = \underline{\quad}$

Write two different multiplication expressions with a 1-digit factor, a 3-digit factor, and a product of 4,200.

($2 \times 2100 = 4,200$)

Jose earned \$215 each week he worked at the grocery store. If he worked for 8 weeks, how much money did he earn?

Show work!

NBT5

Complete the table below.

Original Number	Rounded to the <u>Hundreds</u> ¹⁰⁰ Place	Rounded to the <u>Thousands</u> ^{1,000} Place
14,590		
569,223		
87,217		
909,355		

Write the related facts for 4, 6, and 24.

A car manufacturer produces 435 cars in one week. How many cars will the factory produce in 6 weeks?

Draw the symbol to complete the statement.

If $\square \times 7 = 0$, then $\square = \underline{\quad}$.

Write each number in standard form.

82 hundreds and 16 tens _____

192 hundreds and 4 tens _____

45 hundreds and 15 tens _____

Subtract

$$\begin{array}{r} 48,003 \\ - 16,324 \\ \hline \end{array}$$

Which equation shows that 9 is a factor of 72?

- 72 = 70 + 2
- 72 = 9 x 8
- 72 = 90 - 18
- 72 = 144 ÷ 2

Circle the multiples of 15.

- 1 3 5
- 15 30 33
- 35 45 55

Add

$$\begin{array}{r} 57,987 \\ + 24,905 \\ \hline \end{array}$$

120 ÷ 10 =

8 x 9 =

16 - 2 =

56 ÷ 7 =

6 + 4 =

10 - 8 =

Which patterns follow the rule, 'Add 3, Multiply 2.' Circle all that apply.

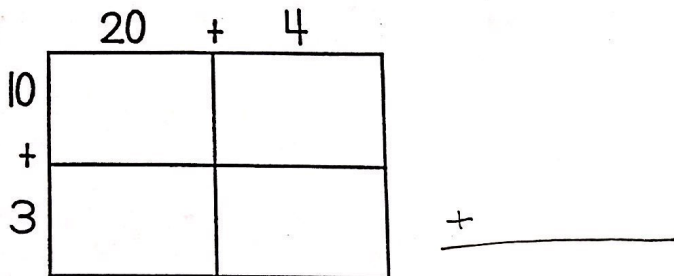
- 3, 6, 9, 18, 21, 42
- 5, 8, 11, 14, 17, 20
- 6, 12, 24, 48, 96, 192
- 7, 10, 20, 23, 46, 49
- 10, 13, 26, 29, 58, 61

Name _____

4th Grade Homework - Week 13

7.1

Use the area model to multiply. $24 \times 13 =$ _____



There are 52 weeks in a year. If Sebastian turned 9 today, how many weeks old is Sebastian?
write an equation!

Wednesday

$50 \times 60 =$

$30 \times 20 =$

$70 \times 40 =$

$30 \times 60 =$

$80 \times 80 =$

$40 \times 20 =$

$70 \times 50 =$

What are the partial products for the expression 56×72 ?
 Circle all that apply.

4,200 3,500

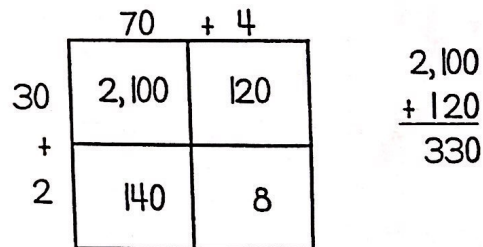
1,000 420

350 100

12 8

Scott used the area model to solve the expression 74×32 . His teacher marked his answer wrong.

Scott's Work



Explain to Scott where his mistake is and how to correct it.

Scott's mistake was _____

Circles and dots!

INBT5

There are 36 rows of seats in one area of an auditorium. There are 28 rows of seats in another area of the same auditorium. Each row has 8 seats. What is the total number of seats in the two areas of the auditorium? _____

Show your work!

This question has 3 parts, A-C.

Dyllan keeps his baseball cards in (two) albums. The first album has (38) pages. The second album has (56) pages. In each album, each page holds (2) baseball cards. Both albums are full and cannot hold any more baseball cards.

Part A – How many baseball cards are in the first album? Use the (area model) to solve.

Part B – How many baseball cards are in the second album? Use the (area model) to solve.

Part C – How many baseball cards does Dyllan have in both albums?

Thursday

Celeste drinks 14 cups of water a day. How many cups of water does she drink in 31 days?

Show work!

Multiply to find each product.

Circles and dots!

$$800 \times 3 = \underline{\hspace{2cm}}$$

$$70 \times 40 = \underline{\hspace{2cm}}$$

$$8,000 \times 2 = \underline{\hspace{2cm}}$$

$$90 \times 40 = \underline{\hspace{2cm}}$$

$$600 \times 7 = \underline{\hspace{2cm}}$$

$$3 \times 70 = \underline{\hspace{2cm}}$$