

Grade 3 Unit 2 Module 2

Practice Pages for Math at Home

The Bridges Second Edition Module Packets, available from the Home Learning Resources page of the Bridges Educator Site, are designed to provide a review of math topics that were covered in class prior to school closures. They are meant for teachers

to send home, so students can continue to engage with key grade-level skills. The material in these packets includes exercises that can be completed by students at home with their families.

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NAME _____

DATE _____



Toby Goes Shopping

Toby went shopping with some of his classmates.

- 1** Toby's classmates split up into 4 groups of 5 students. Which equation matches that situation?

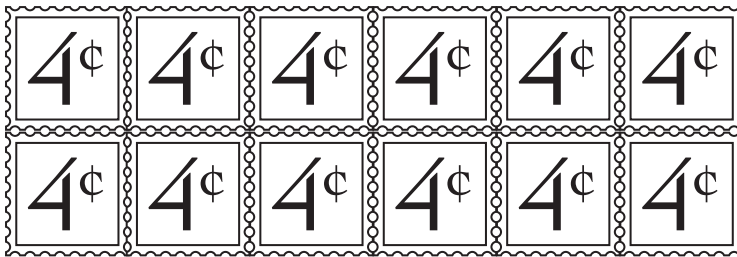
$4 \times 5 = 20$
 $4 + 9 = 5$
 $4 + 5 = 9$
 $5 - 4 = 1$

- 2** Use numbers, sketches, or words to show your thinking.

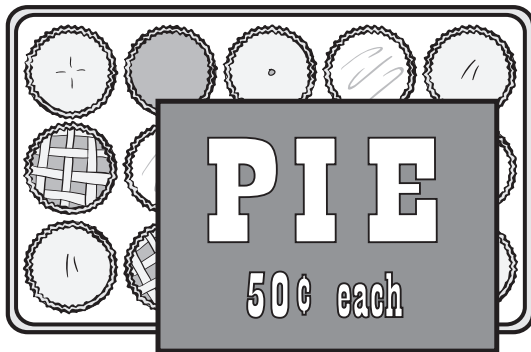
- a** Toby saw fruit at the store. There were 6 rows of 3 peaches in a box. How many peaches were in the box?

- b** Toby's sister picked up a loaf of bread that was 20 inches long. The basket is 3 times as long as the bread. How long is the basket?

- c** Toby bought some stamps. How much did he pay for these stamps?



- d** **CHALLENGE** Toby saw a tray of little pies. How much does the whole tray of pies cost?



NAME _____

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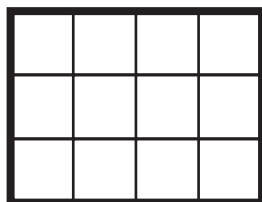


Windows & Number Puzzles page 1 of 2

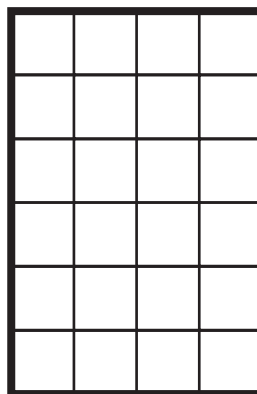
Windows

- 1** Find the number of panes in each window. Show your thinking with words, numbers, or pictures. Write an equation that shows your thinking for each window.

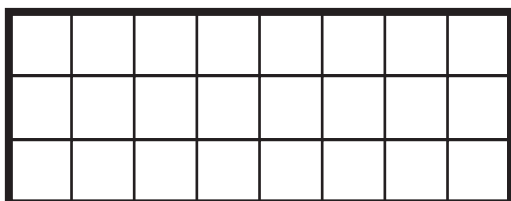
a Equation _____



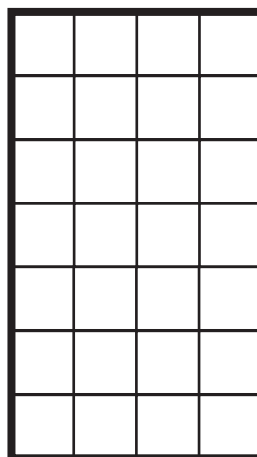
b Equation _____



c Equation _____



d Equation _____



(continued on next page)

NAME _____

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Windows & Number Puzzles page 2 of 2**Number Puzzles****2** Find the missing numbers in the equations below.

$2 \times \underline{\quad} = 12$

$\underline{\quad} + 3 = 11$

$10 \times 3 = \underline{\quad}$

$5 + \underline{\quad} = 14$

$17 - 9 = \underline{\quad}$

$\underline{\quad} - 3 = 9$

$6 \times 3 = \underline{\quad}$

$16 - \underline{\quad} = 8$

$\underline{\quad} + 6 = 13$

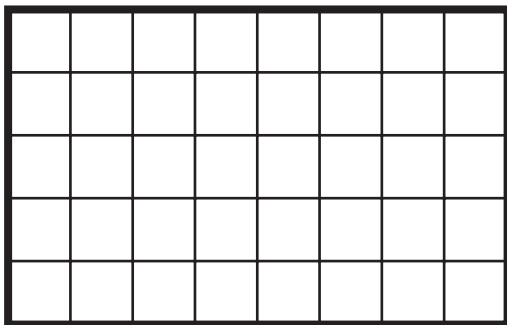
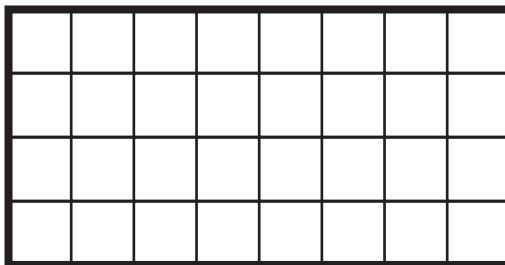
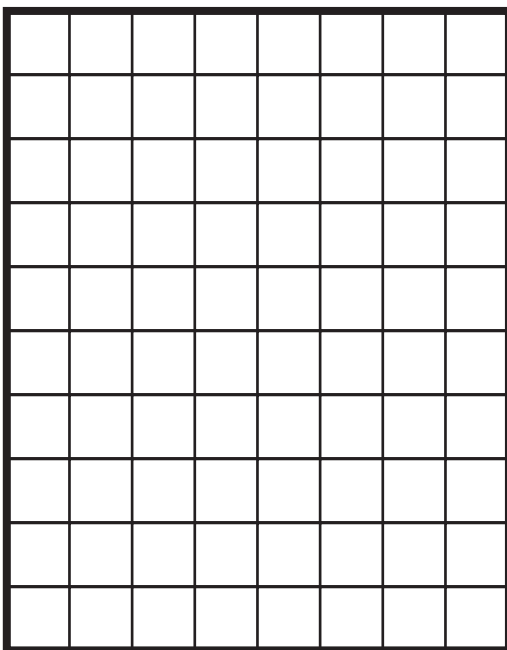
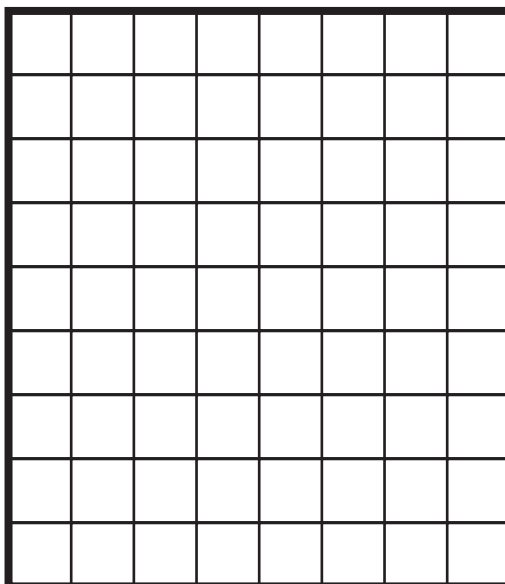
NAME _____

DATE _____



The Watertown Bank page 1 of 2

- 1** On Wednesday, Wally was cleaning the windows at the bank. He counted the windowpanes as he cleaned, but he kept losing track of how many panes he had counted. Help Wally figure out how many windowpanes there are at the bank. As you solve each problem below, show your work with numbers, sketches, or words.

a**b****c****d***(continued on next page)*

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The Watertown Bank page 2 of 2

2 Wally cleaned a window that had 4 windowpanes. Then he cleaned 9 more windowpanes. Which equation describes the number of panes he cleaned?

$4 \times 9 = w$

$4 + 9 = w$

$9 - w = 4$

$4 \times w = 9$

3 Wally cleaned a window that had 4 rows of windowpanes with 9 panes in each row. Which equation describes the number of panes in the window?

$4 \times 9 = w$

$4 + 9 = w$

$9 - w = 4$

$4 \times w = 9$

NAME _____

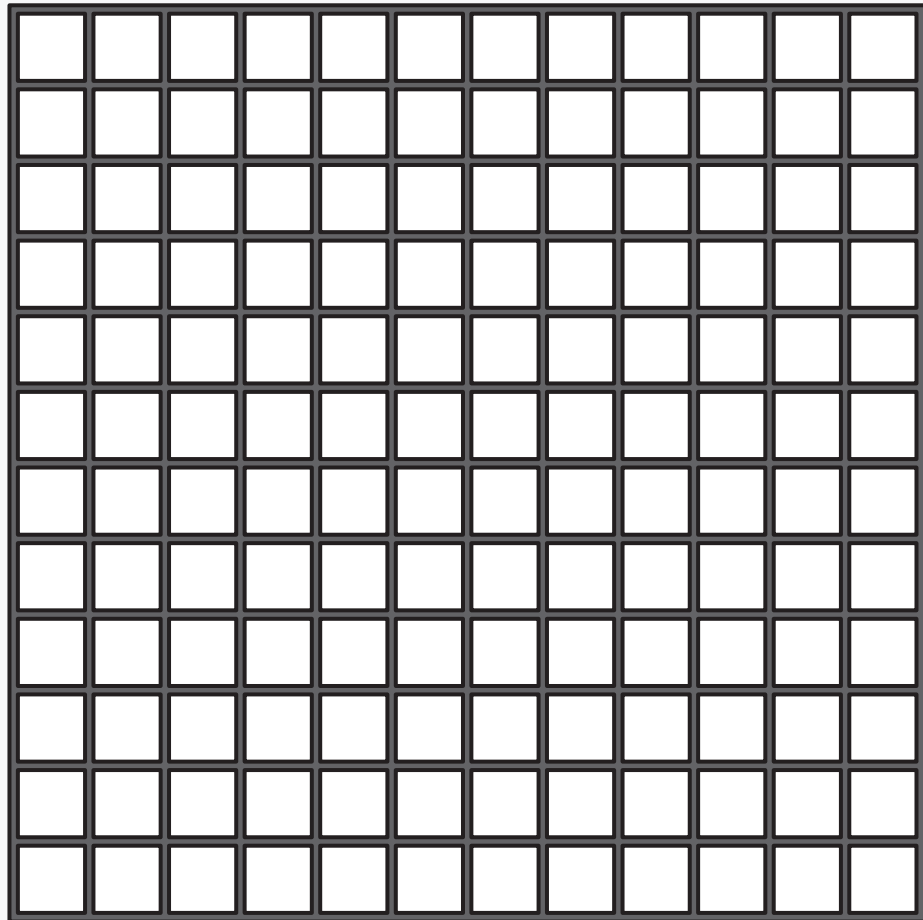
DATE _____



More Post Office Mailboxes

Help Wally figure out how many mailboxes there are on this wall. Use numbers, sketches, or words to show your thinking. Mark your answer clearly.

Watertown Post Office

MAILBOXES

NAME _____

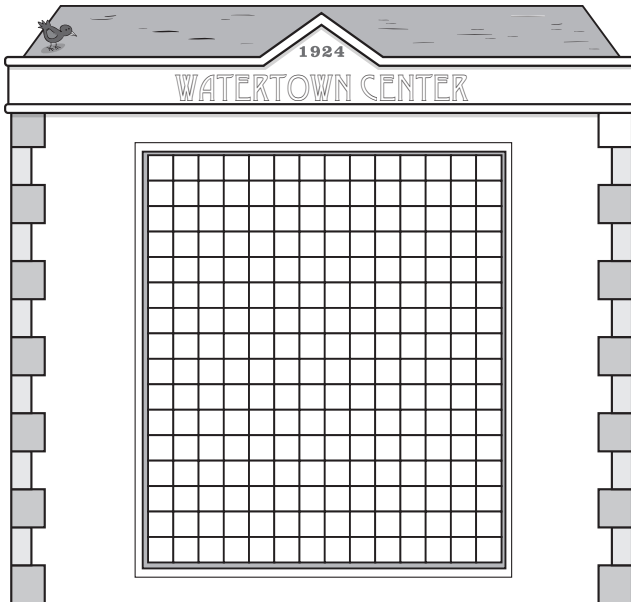
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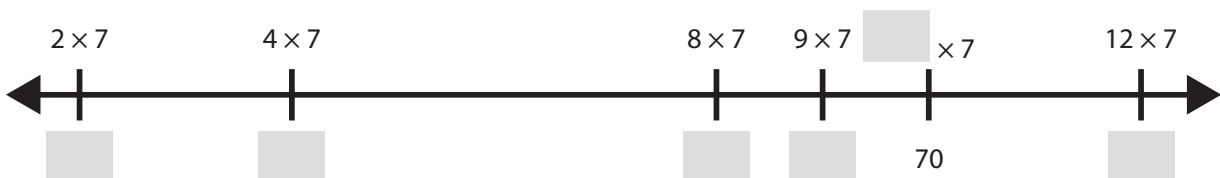
Watertown Center

Watertown Center is the biggest building in Watertown. There are many businesses, offices, and stores inside Watertown Center.

- 1** On Thursday, Wally was cleaning the windows of Watertown Center. There were so many windowpanes that he had no idea how to count them all. Help Wally figure out how many windowpanes are in the front of Watertown Center. Show your work.



- 2** Fill in the missing numbers.



- 3** Solve the following problems.

$2 \times 9 = \underline{\quad}$

$4 \times 9 = \underline{\quad}$

$8 \times 9 = \underline{\quad}$

$10 \times 9 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$

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**Skip-Counting & More** page 1 of 2**1** Skip-count forward from each number. A few of the numbers have been filled in for you.

3	6	9						
---	---	---	--	--	--	--	--	--

4	8					28		
---	---	--	--	--	--	----	--	--

5					30			45
---	--	--	--	--	----	--	--	----

2 a Solve the following problems.

$2 \times 10 = \underline{\quad}$

$4 \times 10 = \underline{\quad}$

$8 \times 10 = \underline{\quad}$

b What do you notice about these problems?**3 a** Solve the following problems.

$4 \times 6 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$

$2 \times 12 = \underline{\quad}$

b What do you notice about these problems?*(continued on next page)*

Skip Counting & More page 2 of 2

4 Solve the following problems. Show your thinking using equations, sketches, or words.

- a** The greater roadrunner bird can run 14 miles per hour. That's 7 times faster than an ostrich can walk. How fast does an ostrich walk?

- b** **CHALLENGE** The body of a greater roadrunner is 16 inches long. Its tail is another 8 inches. The total length of a greater roadrunner is 4 times longer than a lovebird. How many inches long is the lovebird?

Answer Keys

NAME _____

DATE _____



Toby Goes Shopping

Toby went shopping with some of his classmates.

- 1 Toby's classmates split up into 4 groups of 5 students. Which equation matches that situation?

$4 \times 5 = 20$
 $4 + 9 = 5$
 $4 + 5 = 9$
 $5 - 4 = 1$

- 2 Use numbers, sketches, or words to show your thinking.

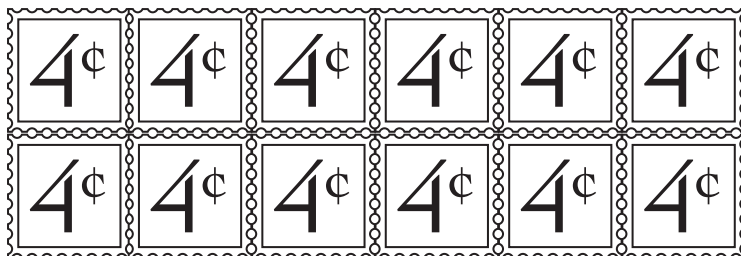
- a Toby saw fruit at the store. There were 6 rows of 3 peaches in a box. How many peaches were in the box?

18 peaches. Work will vary.

- b Toby's sister picked up a loaf of bread that was 20 inches long. The basket is 3 times as long as the bread. How long is the basket?

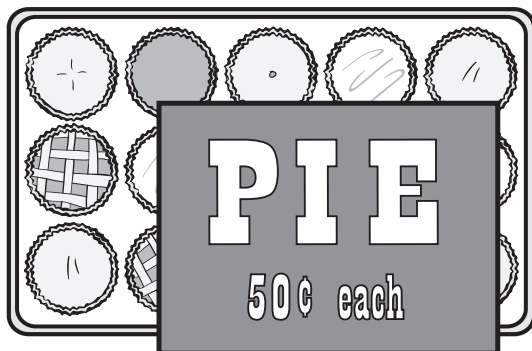
60 inches. Work will vary.

- c Toby bought some stamps. How much did he pay for these stamps?



48¢
Work will vary.

- d **CHALLENGE** Toby saw a tray of little pies. How much does the whole tray of pies cost?



\$7.50
Student work
will vary.

NAME _____

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Windows & Number Puzzles page 1 of 2

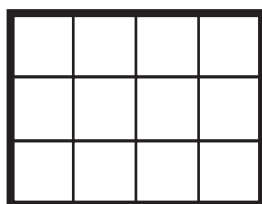
Equations and work will vary.

Examples of equations shown.

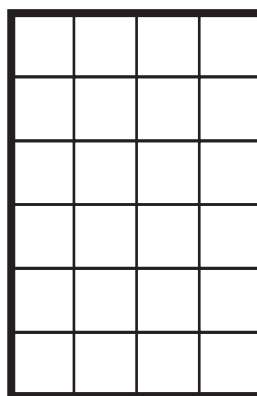
Windows

- 1** Find the number of panes in each window. Show your thinking with words, numbers, or pictures. Write an equation that shows your thinking for each window.

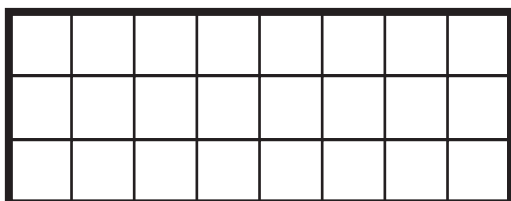
a Equation $3 \times 4 = 12$



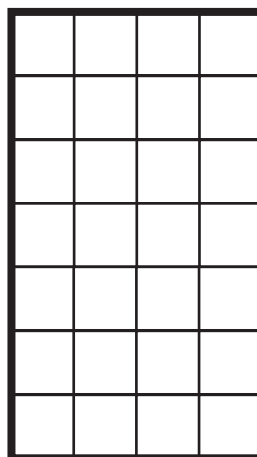
b Equation $6 + 6 + 6 + 6 = 24$



c Equation $8 + 8 = 16$ and $16 + 8 = 24$



d Equation $7 \times 4 = 28$



(continued on next page)

NAME _____

| DATE _____

Windows & Number Puzzles page 2 of 2**Number Puzzles****2** Find the missing numbers in the equations below.

$2 \times \underline{6} = 12$

$\underline{8} + 3 = 11$

$10 \times 3 = \underline{30}$

$5 + \underline{9} = 14$

$17 - 9 = \underline{8}$

$\underline{12} - 3 = 9$

$6 \times 3 = \underline{18}$

$16 - \underline{8} = 8$

$\underline{7} + 6 = 13$

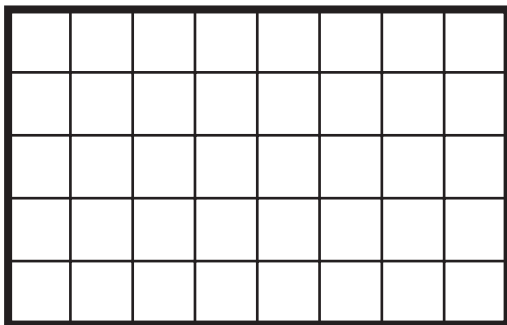
NAME _____

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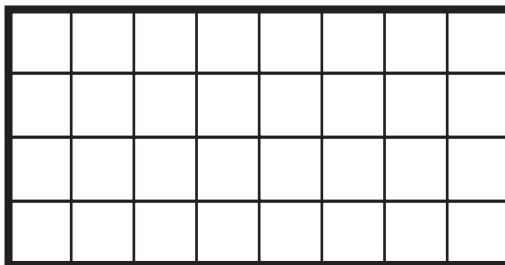


The Watertown Bank page 1 of 2

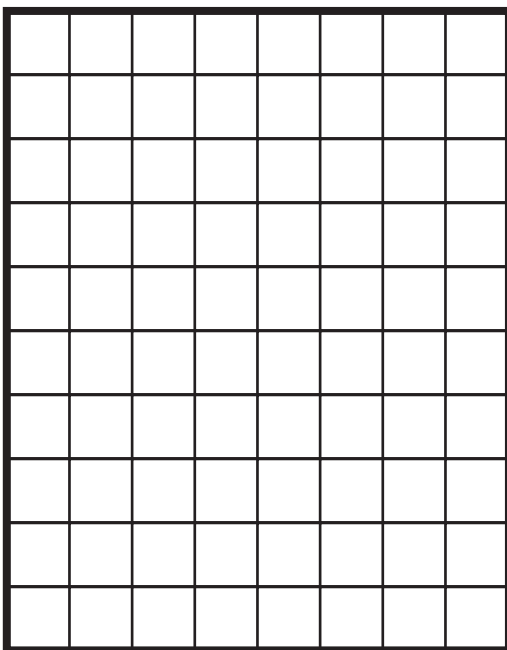
- 1** On Wednesday, Wally was cleaning the windows at the bank. He counted the windowpanes as he cleaned, but he kept losing track of how many panes he had counted. Help Wally figure out how many windowpanes there are at the bank. As you solve each problem below, show your work with numbers, sketches, or words.

a

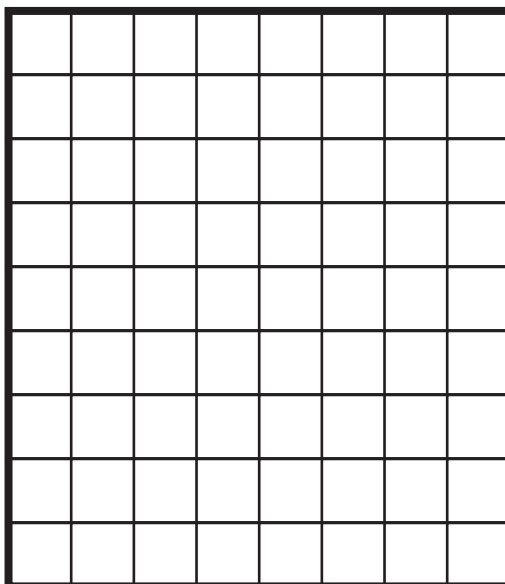
40 panes
Work will vary.

b

32 panes
Work will vary.

c

80 panes
Work will vary.

d

72 panes
Work will vary.

(continued on next page)

NAME _____

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The Watertown Bank page 2 of 2

2 Wally cleaned a window that had 4 windowpanes. Then he cleaned 9 more windowpanes. Which equation describes the number of panes he cleaned?

$4 \times 9 = w$

$4 + 9 = w$

$9 - w = 4$

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3 Wally cleaned a window that had 4 rows of windowpanes with 9 panes in each row. Which equation describes the number of panes in the window?

$4 \times 9 = w$

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$9 - w = 4$

$4 \times w = 9$

NAME _____

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More Post Office Mailboxes

Help Wally figure out how many mailboxes there are on this wall. Use numbers, sketches, or words to show your thinking. Mark your answer clearly.

Watertown Post Office

MAILBOXES

A large grid of 12 rows and 12 columns of squares, representing mailboxes. The grid is empty, intended for students to count or mark the mailboxes.

144 mailboxes
Work will vary.

NAME _____

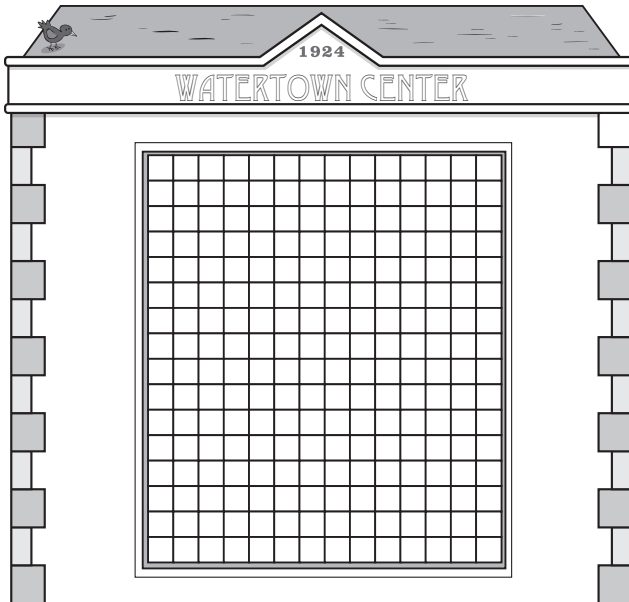
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Watertown Center

Watertown Center is the biggest building in Watertown. There are many businesses, offices, and stores inside Watertown Center.

- 1 On Thursday, Wally was cleaning the windows of Watertown Center. There were so many windowpanes that he had no idea how to count them all. Help Wally figure out how many windowpanes are in the front of Watertown Center. Show your work.



224 windowpanes
Work will vary.

- 2 Fill in the missing numbers.



- 3 Solve the following problems.

$2 \times 9 = \underline{18}$

$4 \times 9 = \underline{36}$

$8 \times 9 = \underline{72}$

$10 \times 9 = \underline{90}$

$9 \times 9 = \underline{81}$

NAME _____

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**Skip-Counting & More** page 1 of 2**1** Skip-count forward from each number. A few of the numbers have been filled in for you.

3	6	9	12	15	18	21	24	27
---	---	---	----	----	----	----	----	----

4	8	12	16	20	24	28	32	36
---	---	----	----	----	----	----	----	----

5	10	15	20	25	30	35	40	45
---	----	----	----	----	----	----	----	----

2 a Solve the following problems.

$2 \times 10 = \underline{20}$

$4 \times 10 = \underline{40}$

$8 \times 10 = \underline{80}$

b What do you notice about these problems?**Responses will vary. Examples:**

- You multiply by 10 each time.
- In the product, the digit in the tens place is the same as the number you multiplied by 10.

3 a Solve the following problems.

$4 \times 6 = \underline{24}$

$3 \times 8 = \underline{24}$

$2 \times 12 = \underline{24}$

b What do you notice about these problems?**Responses will vary. Examples:**

- The product is always 24.
- If you halve one number ($4 \div 2 = 2$) and double the other ($6 \times 2 = 12$), the product is the same ($4 \times 6 = 2 \times 12 = 24$).

(continued on next page)

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Skip Counting & More page 2 of 2

- 4** Solve the following problems. Show your thinking using equations, sketches, or words.
- a** The greater roadrunner bird can run 14 miles per hour. That's 7 times faster than an ostrich can walk. How fast does an ostrich walk?

2 miles per hour.
Work will vary.

- b** **CHALLENGE** The body of a greater roadrunner is 16 inches long. Its tail is another 8 inches. The total length of a greater roadrunner is 4 times longer than a lovebird. How many inches long is the lovebird?

6 inches
Work will vary.