

Unit 2 Module 2 Session 3

Problem String- Watertown's Window Washer
Problems and Investigations-Number line Puzzles

Getting Ready-

- **TM** T2 Watertown
- **TM** T3 Watertown School Windows
- SB 47 Number Line Puzzles
- **TM** T4 Work Place Guide 2B Frog Jump Multiplication
- **TM** T5 2B Frog Jump Multiplication Record Sheet
- SB 48 Work Place Instructions 2B Frog Jump Multiplication

Getting Ready- Continued

- Student Math Journals
- 60 interlocking cubes (see preparation)
- Adding Machine tape (see preparation)
- Paper Multiples Strip for 6's (from session 2)
- markers

VOCABULARY

Equation

Factor

Measuring strip

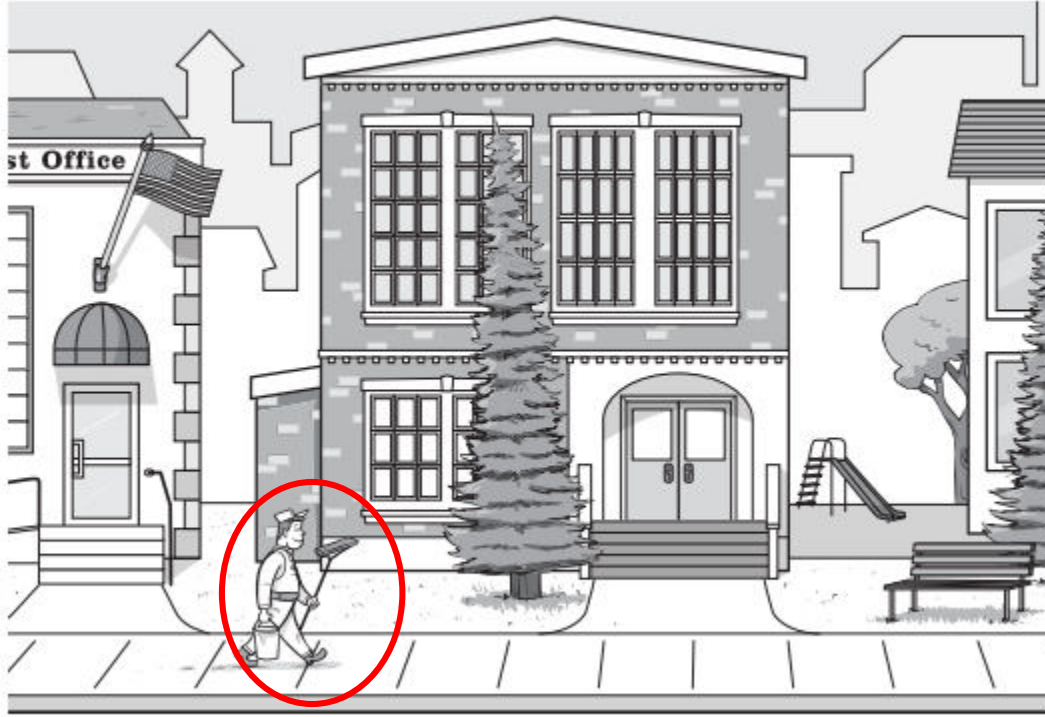
Variable

Product

Commutative property of multiplication



- Interpret products of whole numbers
- Solve for the unknown (variable) in a multiplication equation involving 3 whole numbers
- Fluently multiply with products to 100 using strategies

**Watertown**

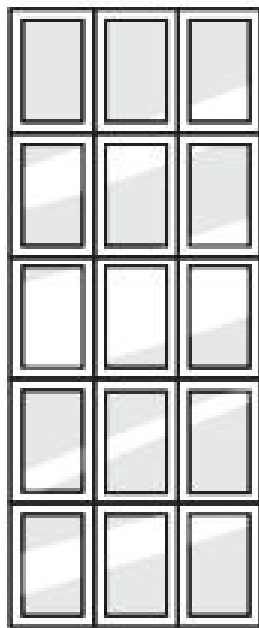
This is Wally the Window Washer. Wally lives in Watertown, where he is responsible for cleaning all of the windows in the town. He cleans the windows of the school, the post office, government buildings, stores, and more. Some of the windows are made up of lots of little window panes, like the ones in the school. One day, when Wally was at work washing windows, he began wondering about the number of windows and window panes in Watertown. At first he thought there were so many that he would never figure it out, but then he began thinking about the windows just a few at a time. He started with the windows in the Watertown School.

JOURNALS PLEASE



Problem String: Watertown's Window Washer
Today's Date

Write an
equation in
your journal to
match the
window panes.



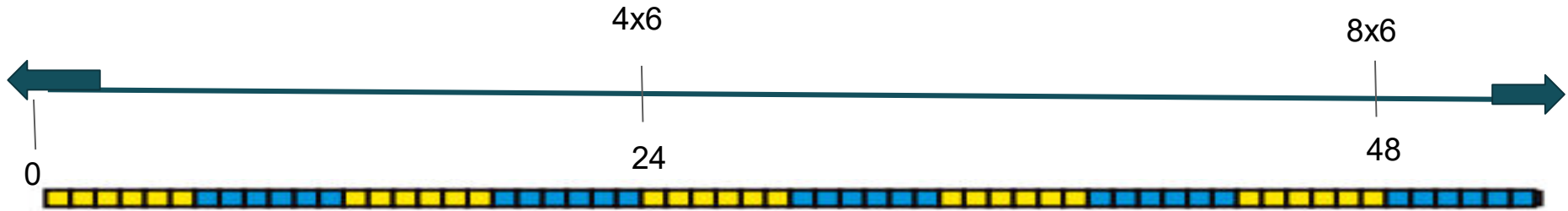
Sample Strategies

Write an equation in your journal to match the window panes.



Sample Strategies

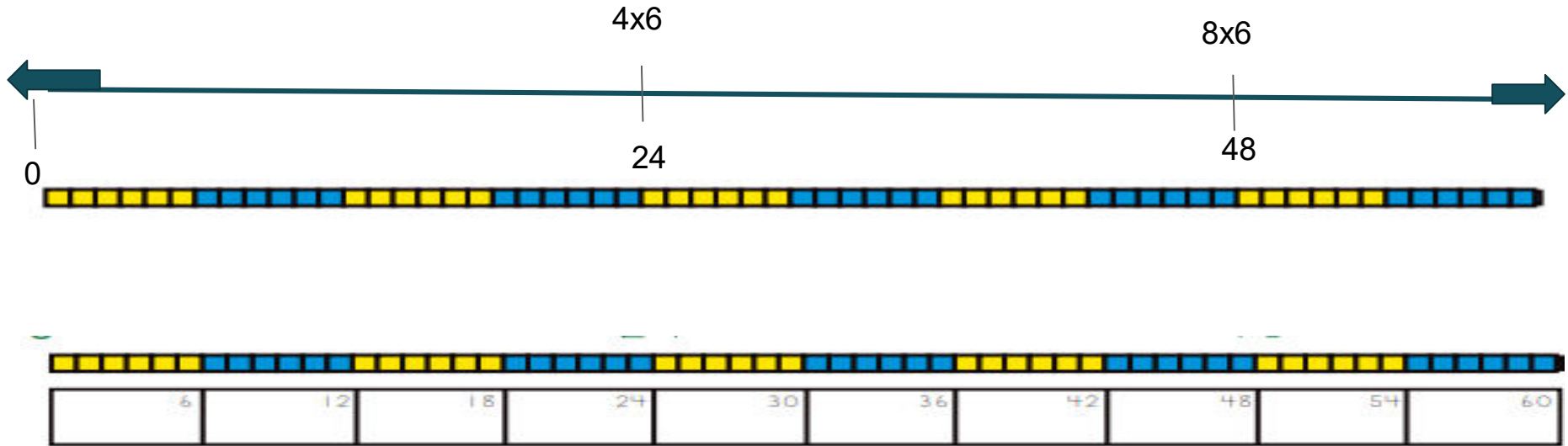
Number Line Puzzles



SHARE YOUR
THINKING



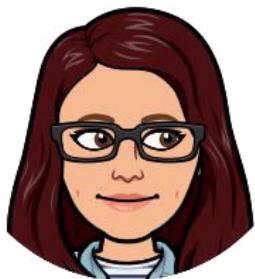
Number Line Puzzles



Soooo, if you double 4×6 to 8×6 you can double 24 to get 48

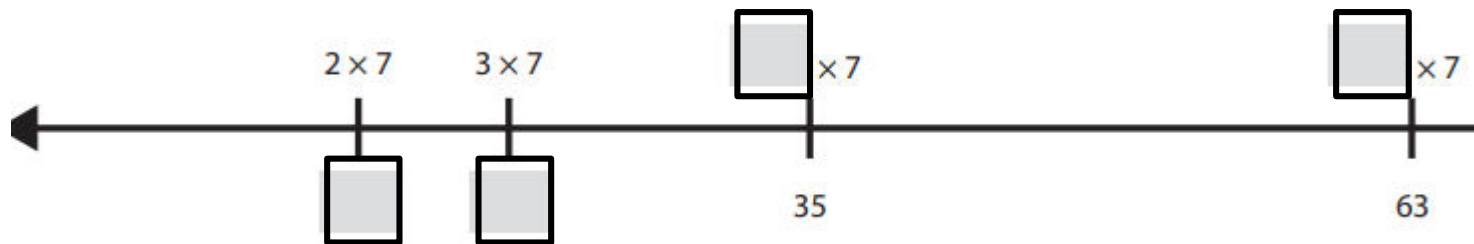
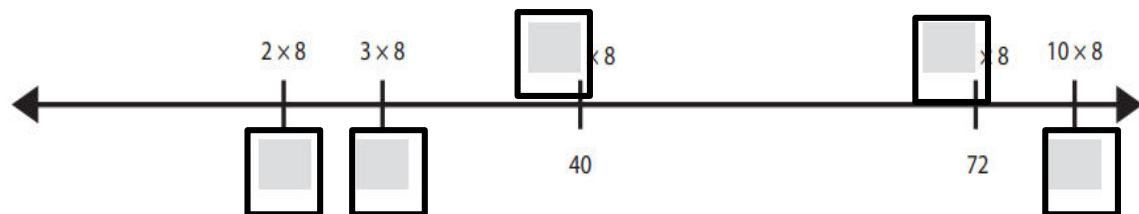
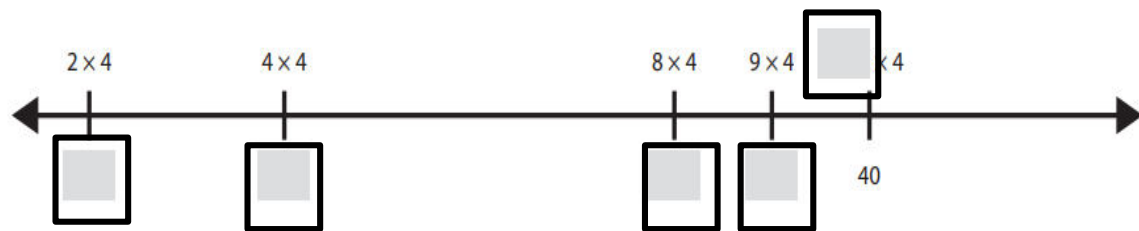
WORKBOOK

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Number Line Puzzles

Fill in the blanks on each of the number lines below.



Work Places

Introduce 2B Frog Jump Multiplication

™ T4 Work Place Guide

™ T5 Record sheet

SB 48 Instructions



Work Place Link

Work Places

1D Subtraction Bingo

1E Carrot Grab

1F Rabbit Tracks

1G Target One Hundred

1H Anything But Five

2A Loops and Groups

2B Frog Jump Multiplication

Daily Practice

SB 49-50 Windows and Number Puzzles