An Introduction to UEB Math/Science for Pre-Kindergarten – 1st Grade Students and Strategies for Supporting Math Learning

Lesson 2: More Linear Problems, Word Problems, and Additional Signs of Omission



University of South Carolina Upstate, Fall 2023



Review of the Question Mark and Visible Space as Signs of Omission

- The question mark is :: (dots 2-3-6).
- The visible space symbol is :: (dots 3-4-6), and it is used to represent a blank space in print, except when the answer to a problem is left blank.
- Follow print when a question mark or blank space in print shows a missing number, sign of operation, or sign of comparison.
- Space each sign of omission the same way you space what it replaces.

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Review of The Grade 1 Indicator
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Use the Grade 1 indicator : (dots 5-6) to avoid confusion when a question mark is "standing alone".

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1. 5+5 = ?

35. 6 ? 10 12
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Activity 2A

Interline the problems. A sign of comparison is missing in the fourth problem.

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Activity 2A: Answer Key

1. ? + 106 = 120

2. 10 - 8 =

3. 45 + 20 = ?

4. 18 36

3. 45 = 36
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Dash and Underscore as Signs of Omission

as (-) (dot 6, dots 3-6)

underscore (__) (dots 4-6, dots 3-6)

7 + - = 10

(-12 < 35)

(-12 < 35)

(-12 < 35)
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Shapes Used for Omission

- First determine if the shape is meaningful for the student (e.g., all odd answers are written in triangles; all even answers are written in circles).
- If shapes are needed, for young students use stickers or other textures to represent shapes such as squares, triangles, or circles.
- It is not best practice to replace the shape with a braille omission symbol.
- At this age, it is essential that students have multiple opportunities to tactually explore shapes.











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Activity 2D

Braille the following word problems:

- 1. How many tens are in 45?
- 2. What is the sum of 5, 10, and 15?
- 3. Which is more, 9 6 or 11 5?
- 4. Marcella wrote the answer 6 for 7 + ? = 13. Is she right?

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Activity 2D: Answer Key
1. How many tens are in 45?
2. What is the sum of 5, 10, and 15?
3. Which is more, 9 – 6 or 11 – 5?
3. Which is more, 9 – 6 or 11 – 5?
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