

Missing Digits Number Sentences

Use **each digit once only** (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) to complete the number sentences for each challenge.

| Challenge 1: Addition | Challenge 2: Addition |
|---|---|
| $10 = \square + \square$ $10 = \square + \square$ $10 = \square + \square$ $10 = \square + \square$ $1\square = \square + 5$ | $9 + \square = 1\square$ $\square + 4 = 1\square$ $1\square - 8 = 4$ $\square + \square = \square\square$ $\square + 2 = 7$ |
| Challenge 3: Addition | Challenge 4: Addition |
| $12 + 3\square = \square 7$ $\square 2 + 5\square = \square 15$ $4\square + \square 8 = 68$ $93 + 4\square = 142$ $1\square + 9\square = 115$ | Create five of your own number sentences for another pair of students to complete. |

Adapted from Small, M. (2009). *Good questions: Great ways to differentiate mathematics instruction*, p.43. New York: Teachers College Press.

More Missing Digits Number Sentences

Use **each digit once only** (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) to complete the number sentences for each challenge.

| Challenge 5: Multiplication | Challenge 6: Multiplication |
|--|---|
| $\square \times 2 \times \square = 18$ $\square \times \square = \square 5$ $\square \times 4 \times \square = 48$ $\square \times 5 \times \square = 16 \square$ | $3 \times 5 \square = 15 \square$ $\square \times \square \square = \square 0$ $6 \times 1 \square = 6 \square$ $\square \times 1 \square = 105$ |
| Challenge 7: Multiplication | Challenge 8: Multiplication |
| $\square \times \square = 5 \square$ $4 \times \square = 3 \square$ $\square \times \square = 2 \square$ $8 \times \square = 4 \square$ | Create four of your own number sentences for another pair of students to complete. |

Adapted from Small, M. (2009). *Good questions: Great ways to differentiate mathematics instruction*, p.51. New York: Teachers College Press.