

Using Shorthand Notation to Complete Number Puzzles

Fill in the missing numbers.

| | | A | B | C | D | E |
|---|--------------------|-----|----|----|---|----|
| 1 | Think of a number. | ⌘ | 12 | | | |
| | | ⌘⌘⋮ | 30 | 14 | 6 | 40 |
| | | | | | | 8 |

| | | F | G | H | I | J |
|---|--------------------|----------|-----|---|-----|-----|
| 2 | Think of a number. | ⌘ | 6 | | | |
| | | ⌘⌘ + 100 | 138 | | 220 | 150 |
| | | | | | | 100 |

| | | K | L | M | N | O |
|---|--------------------|-----------|----|----|-----|-----|
| 3 | Think of a number. | x | | | 9 | |
| | | $5x + 75$ | 90 | 80 | 125 | |
| | | | | | | 175 |

| | | P | Q | R | S | T |
|---|--------------------|------------|-----|-----|-----|-----|
| 4 | Think of a number. | x | | | 15 | |
| | | $3x + 150$ | 225 | 150 | 300 | |
| | | | | | | 240 |



Test Prep

5 If $x = 4$, what is $3x + 18$?

- A. 25
- B. 28
- C. 30
- D. 52

6 Explain how you found the solution to $3x + 18$.
