



## Number Towers

### Understanding the Number Towers

- Number towers are triangular or step-like arrangements of numbers
- Each number in the tower is often made by adding or following a pattern from the numbers below
- These help improve addition skills, observation, and logical thinking
- Number towers can grow upward or downward depending on the rule
- Some towers use sum of two numbers below to form the number above

### Examples with Solutions

#### Example

Base: 2 and 3

Top:  $2 + 3 = 5$

✓ Tower:

5

2 3

**Answer:** Top number is 5

#### Example

Base: 1 and 4

Middle:  $1 + 4 = 5$

Top:  $5 + 2$  (next number) = 7

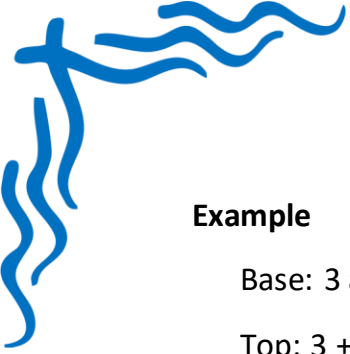
✓ Tower:

7

5 2

1 4

**Answer:** Top number is 7



### Example

Base: 3 and 5

Top:  $3 + 5 = 8$

✓ Tower:

8

3 5

**Answer:** 8

### Example

Build a 3-step tower from base numbers 2 and 6

First:  $2 + 6 = 8$

Now use 8 and 3 (next number)  $\rightarrow 8 + 3 = 11$

✓ Tower:

11

8 3

2 6

**Answer:** Top number is 11

### Example

Base: 5 and 7

Middle:  $5 + 7 = 12$

Top:  $12 + 3 = 15$

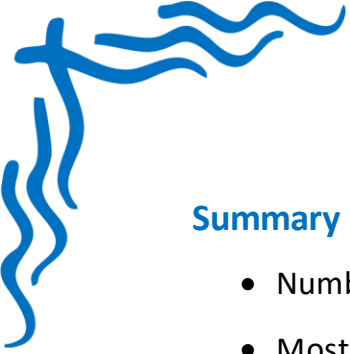
✓ Tower:

15

12 3

5 7

**Answer:** 15



## Summary Points

- Number towers use patterns to build from the base upward
- Most patterns use addition of two numbers to create the next level
- Towers help students learn how numbers grow and change
- They are useful for improving mental addition and problem-solving skills