

# Varied Fluency

## Step 9: Add 2-Digit and 1-Digit Numbers

### National Curriculum Objectives:

Mathematics Year 2: (2C1) [Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100](#)

Mathematics Year 2: (2C2a) [Add and subtract numbers mentally, including: a two-digit number and ones](#)

Mathematics Year 2: (2C2b) [Add and subtract numbers using concrete objects and pictorial representations, including: a two-digit number and ones](#)

### Differentiation:

**Developing** Questions to support adding 2-digit numbers to any 1-digit number with some crossing of the 10s boundary. No column format, where place value charts or pictorials are made in Base 10.

**Expected** Questions to support adding 2-digit numbers to any 1-digit number crossing the 10s boundary. Using the column format, where place value charts or pictorials are made with counters.

**Greater Depth** Questions to support adding 2-digit numbers to any 1-digit number crossing the 10s boundary. Using mostly column format with numbers represented as numerals and words.

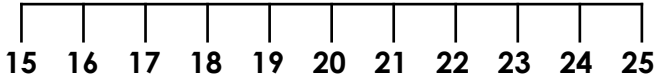
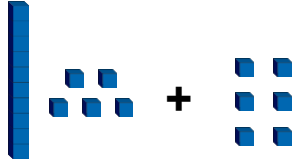
More [Year 2 Addition and Subtraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

## Add 2-Digit and 1-Digit Numbers

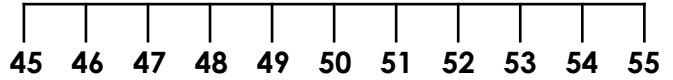
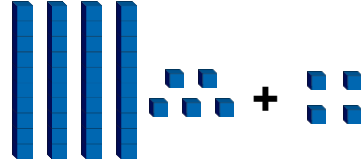
## Add 2-Digit and 1-Digit Numbers

1a. Use the Base 10 and the number line below to calculate  $15 + 6$ .



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1b. Use the Base 10 and the number line below to calculate  $45 + 4$ .

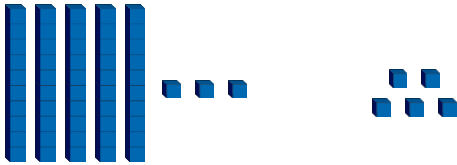


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2a. What number does Mason finish with?



I start at 53 and then add 5.

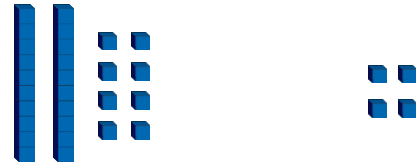


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2b. What number does Kenny finish with?

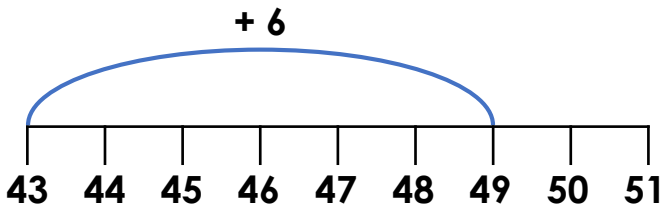


I start at 28 and then add 4.



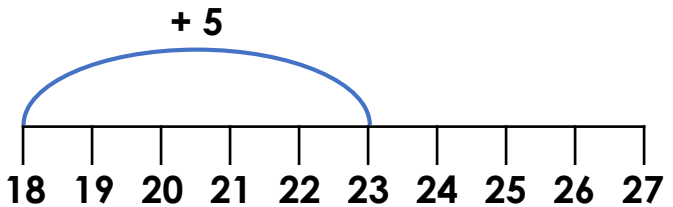
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3a. True or false?  $43 + 6 = 49$ .



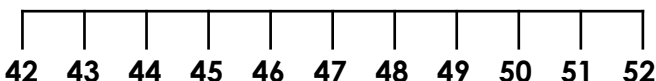
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3b. True or false?  $18 + 5 = 23$ .



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4a. Use the number line below to calculate  $42 + 9$ .



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4b. Use the number line below to calculate  $31 + 8$ .

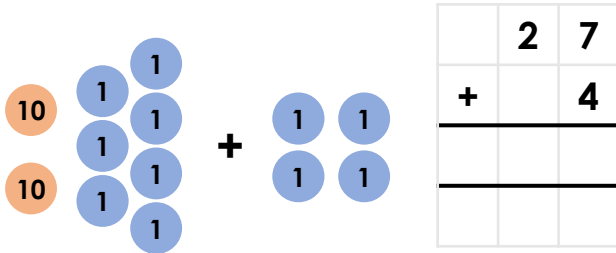


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## Add 2-Digit and 1-Digit Numbers

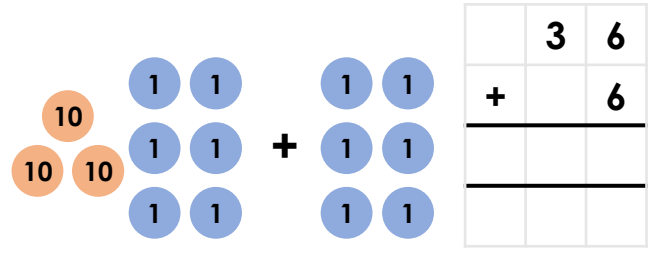
## Add 2-Digit and 1-Digit Numbers

5a. Use the place value counters and the column method below to calculate  $27 + 4$ .



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5b. Use the place value counters and the column method below to calculate  $36 + 6$ .

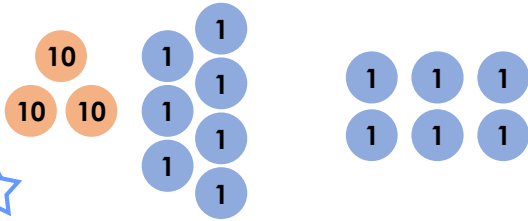


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6a. What number does Ahmed finish with?



I start at 37 and then add 6.

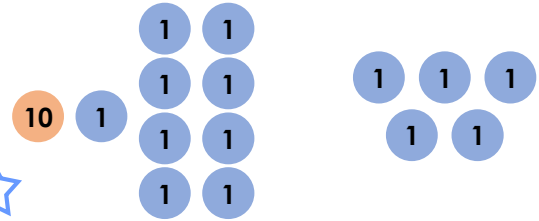


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6b. What number does Paul finish with?

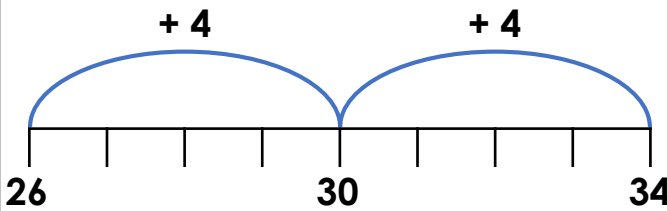


I start at 19 and then add 5.



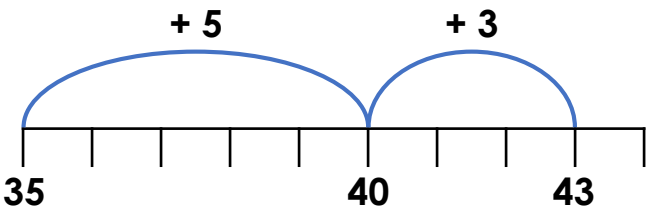
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7a. True or false?  $26 + 8 = 34$ .



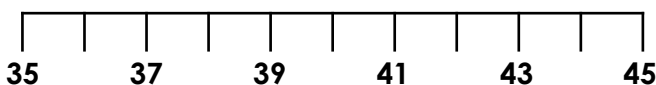
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7b. True or false?  $35 + 9 = 43$ .



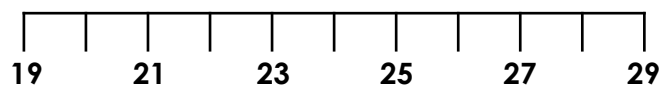
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8a. Use the number line below to calculate  $35 + 7$ .



VF

8b. Use the number line below to calculate  $19 + 6$ .



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## Add 2-Digit and 1-Digit Numbers

## Add 2-Digit and 1-Digit Numbers

9a. Use the column method below to calculate  $58 + 9$ .

|       |   |   |
|-------|---|---|
|       | 5 | 8 |
| +     |   | 9 |
| <hr/> |   |   |
|       |   |   |
| <hr/> |   |   |
|       |   |   |



VF

9b. Use the column method below to calculate  $37 + 8$ .

|       |   |   |
|-------|---|---|
|       | 3 | 7 |
| +     |   | 8 |
| <hr/> |   |   |
|       |   |   |
| <hr/> |   |   |
|       |   |   |



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10a. What number does William finish with?



I start at nineteen and then add six.

|       |  |  |
|-------|--|--|
|       |  |  |
| +     |  |  |
| <hr/> |  |  |
|       |  |  |
| <hr/> |  |  |
|       |  |  |



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10b. What number does Jacob finish with?



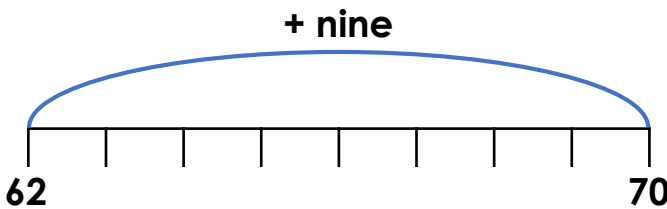
I start at forty-six and then add five.

|       |  |  |
|-------|--|--|
|       |  |  |
| +     |  |  |
| <hr/> |  |  |
|       |  |  |
| <hr/> |  |  |
|       |  |  |



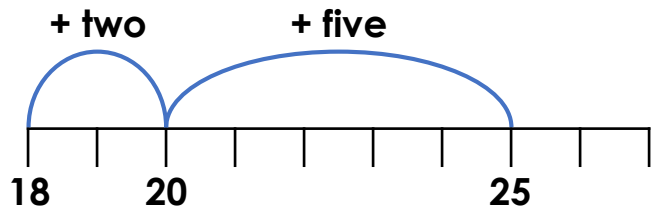
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11a. True or false?  
Sixty-two + nine = seventy.



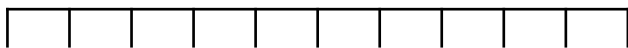
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11b. True or false?  
Eighteen + seven = twenty-five.



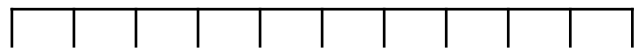
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12a. Use the number line below to calculate forty-three + eight.



VF

12b. Use the number line below to calculate twenty-seven + seven.



VF

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### Add 2-Digit and 1-Digit Numbers

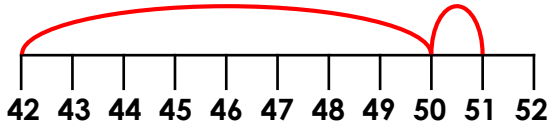
#### Developing

1a.  $15 + 6 = 21$

2a.  $58$

3a.  $\text{True}$

4a.  $42 + 9 = 51$



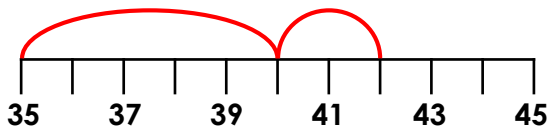
#### Expected

5a.  $27 + 4 = 31$

6a.  $43$

7a.  $\text{True}$

8a.  $35 + 7 = 42$



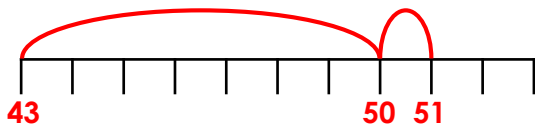
#### Greater Depth

9a.  $58 + 9 = 67$

10a.  $25$

11a.  $\text{False}$ . Sixty-two + nine = seventy-one

12a.  $\text{Forty-three} + \text{eight} = \text{fifty-one}$



## Varied Fluency

### Add 2-Digit and 1-Digit Numbers

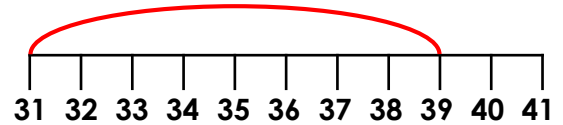
#### Developing

1b.  $45 + 4 = 49$

2b.  $32$

3b.  $\text{True}$

4b.  $31 + 8 = 39$



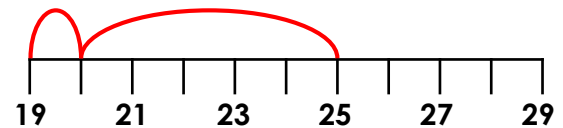
#### Expected

5b.  $36 + 6 = 42$

6b.  $24$

7b.  $\text{False}$ .  $35 + 9 = 44$

8b.  $19 + 6 = 25$



#### Greater Depth

9b.  $37 + 8 = 45$

10b.  $51$

11b.  $\text{True}$

12b.  $\text{Twenty-seven} + \text{seven} = \text{thirty-four}$

