

# Varied Fluency

## Step 12: Add 2-Digit Numbers 2

### National Curriculum Objectives:

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

Mathematics Year 2: (2C4) [Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods](#)

### Differentiation:

**Developing** Questions to support adding a 1-digit number to a 2-digit number when crossing a ten.

**Expected** Questions to support adding a 2-digit number to a 2-digit number when crossing a ten.

**Greater Depth** Questions to support adding a 2-digit number to a 3-digit number when crossing a ten.

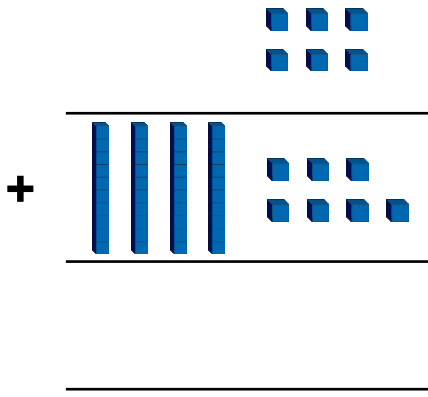
More [Year 2 Addition and Subtraction](#) resources.

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

## Add 2-Digit Numbers 2

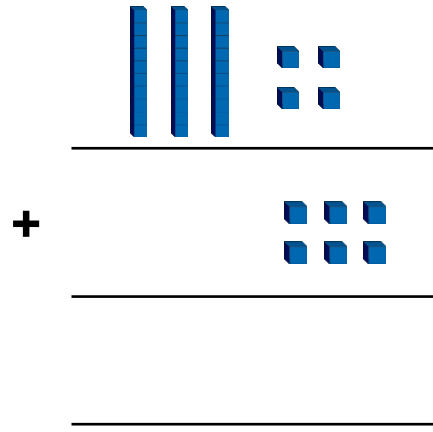
## Add 2-Digit Numbers 2

1a. Write the number sentence and calculate the answer for the following model:



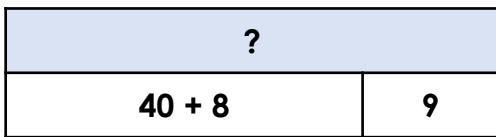
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1b. Write the number sentence and calculate the answer for the following model:



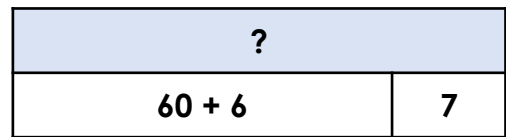
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2a. Find the total.



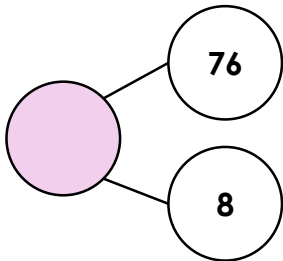
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2b. Find the total.



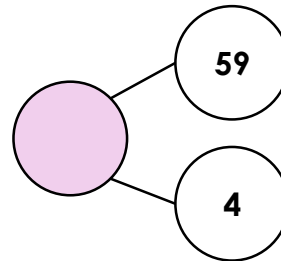
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3a. What is the whole?



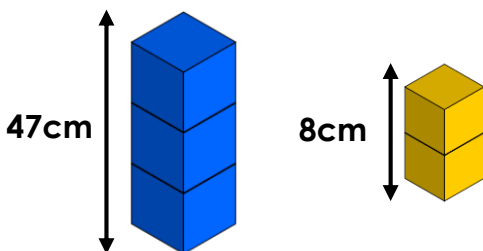
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3b. What is the whole?



VF

4a. Alec builds a tower 47cm high. Kara builds a tower 8cm high.

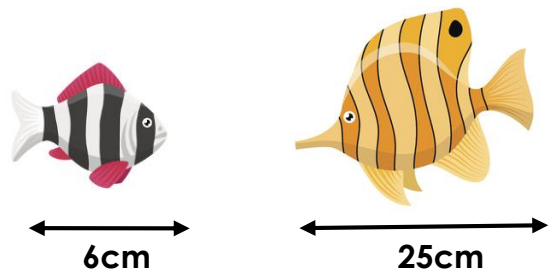


How tall are the towers altogether?



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4b. Amelia's pet fish is 6cm long. Annabelle's pet fish is 25cm long.



How long are the fish altogether?

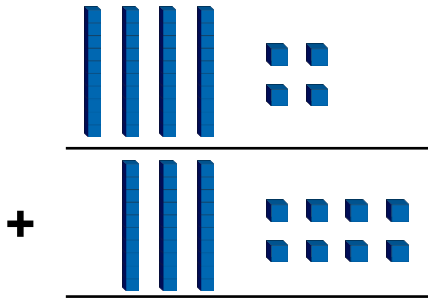


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## Add 2-Digit Numbers 2

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5a. Write the number sentence and calculate the answer for the following model:

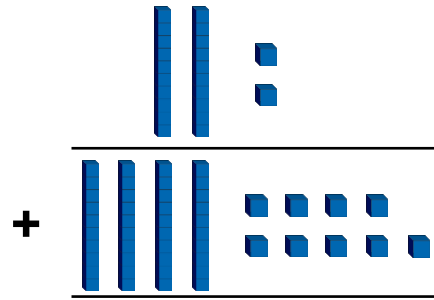


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5b. Write the number sentence and calculate the answer for the following model:

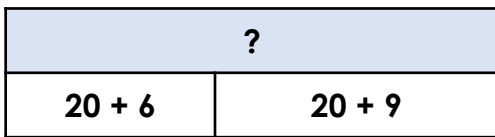


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6a. Find the total.



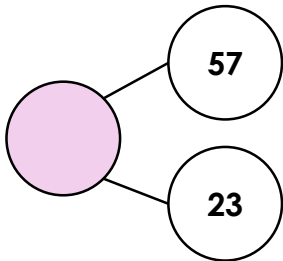
VF

6b. Find the total.



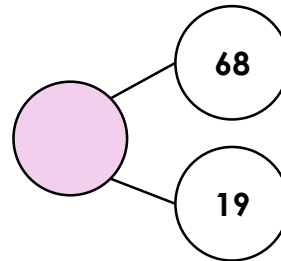
VF

7a. What is the whole?



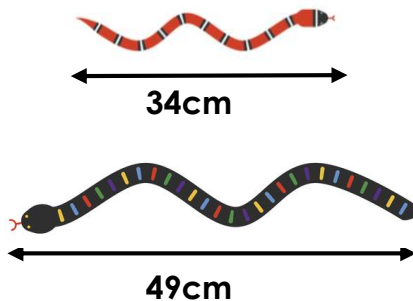
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7b. What is the whole?



VF

8a. Josh's pet snake is 34cm long. Olivia's pet snake is 49cm long.

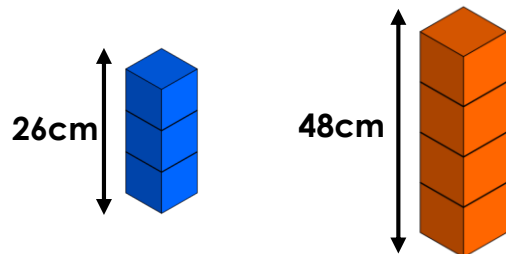


How long are the snakes altogether?



VF

8b. Emma builds a tower 26cm high. William builds a tower 48cm high.



How tall are the towers altogether?

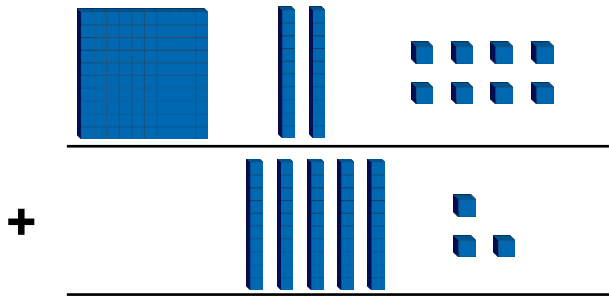


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## Add 2-Digit Numbers 2

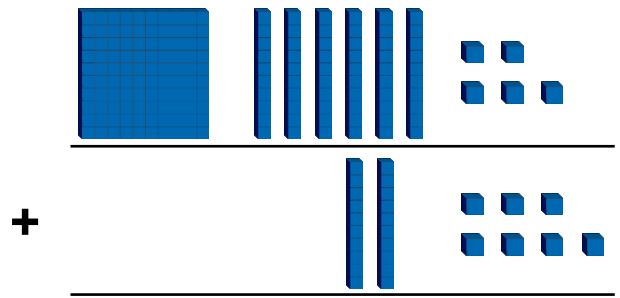
## Add 2-Digit Numbers 2

9a. Write the number sentence and calculate the answer for the following model:



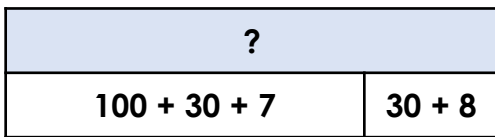
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9b. Write the number sentence and calculate the answer for the following model:



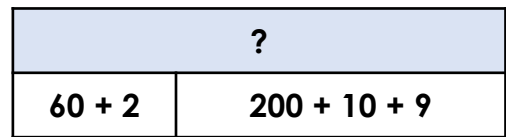
VF

10a. Find the total.



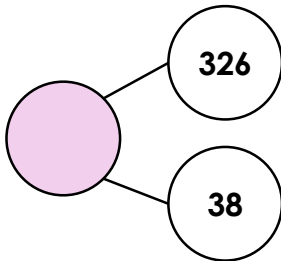
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10b. Find the total.



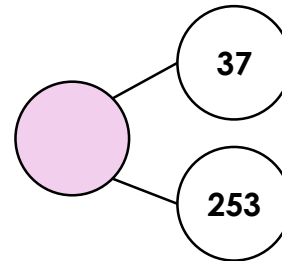
VF

11a. What is the whole?



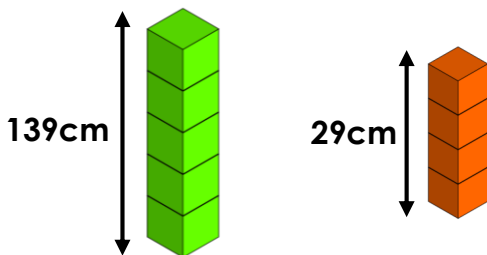
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11b. What is the whole?



VF

12a. Josh builds a tower 139cm high. Zara builds a tower 29cm high.

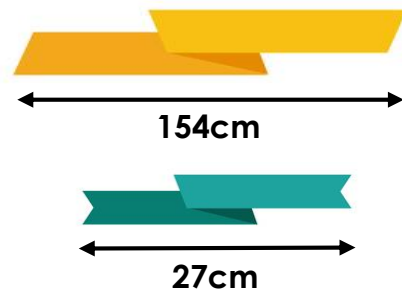


How tall are the towers altogether?



VF

12b. Sally has a ribbon 154cm long. Patrick's ribbon is 27cm long.



How long are the ribbons altogether?



VF

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Developing

1a.  $6 + 47 = 53$

2a.  $57$

3a.  $84$

4a.  $55\text{cm}$

Expected

5a.  $44 + 38 = 82$

6a.  $55$

7a.  $80$

8a.  $83\text{cm}$

Greater Depth

9a.  $128 + 53 = 181$

10a.  $175$

11a.  $364$

12a.  $168\text{cm}$

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Developing

1b.  $34 + 6 = 40$

2b.  $73$

3b.  $63$

4b.  $31\text{cm}$

Expected

5b.  $22 + 49 = 71$

6b.  $72$

7b.  $87$

8b.  $74\text{cm}$

Greater Depth

9b.  $165 + 27 = 192$

10b.  $281$

11b.  $290$

12b.  $181\text{cm}$