

Homework/Extension

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:

Questions 1, 4 and 7 (Varied Fluency)

Developing Circle the correct addition calculation, with one exchange. No column format, using numerals and Base 10 represented on a place value chart.

Expected Circle the correct addition calculation, with one exchange. Using column format with numerals only.

Greater Depth Circle the correct addition calculation, with one exchange. Calculations represented in a linear format with numerals only.

Questions 2, 5 and 8 (Varied Fluency)

Developing Match the addition calculation to the answer, with one exchange. No column format, using numerals and Base 10 represented on a place value chart.

Expected Match the addition calculation to the answer, with one exchange. Using column format with numerals only.

Greater Depth Match the addition calculation to the answer, with one exchange. Calculations represented in a linear format with numerals and words.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain if a statement is correct, using knowledge of adding 2-digit numbers with one exchange. No column format, using numerals and Base 10 represented on a place value chart.

Expected Explain if a statement is correct, using knowledge of adding 2-digit numbers with one exchange. Using numerals and place value counters represented on a place value chart.

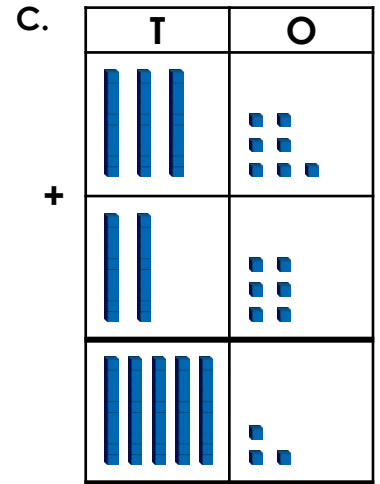
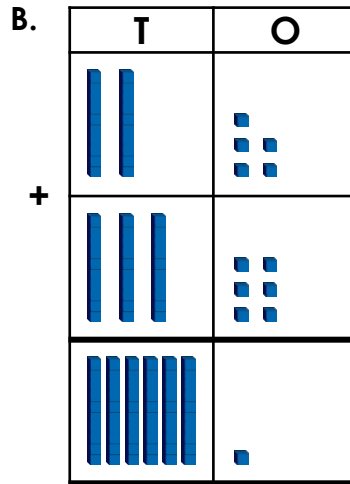
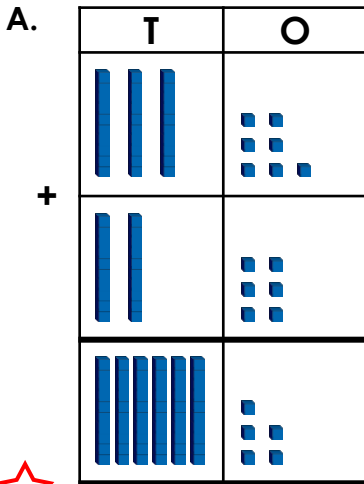
Greater Depth Explain if a statement is correct, using knowledge of adding 2-digit numbers with one exchange. Calculations represented in a linear format with numerals and words.

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

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

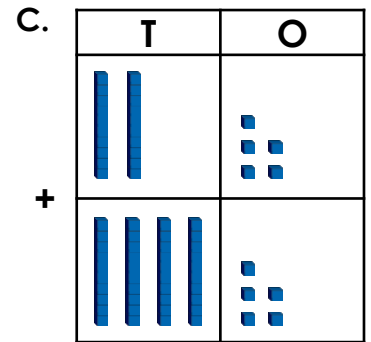
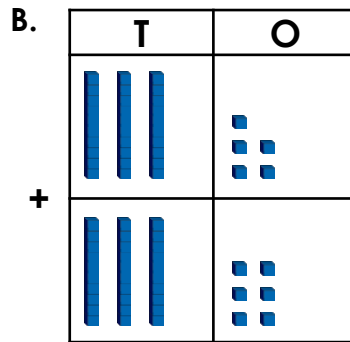
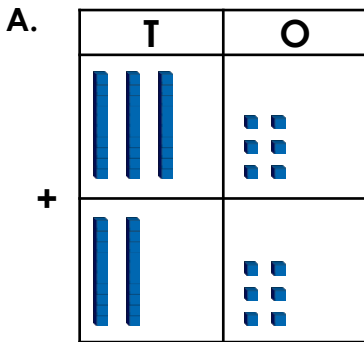
Add 2-Digit Numbers 2

1. Circle the correct addition calculation below.



VF
HW/Ext

2. Draw a line from the addition calculation to the correct answers below.



71

62

70



VF
HW/Ext

3. Tony the zookeeper is trying to count the animals he is looking after.

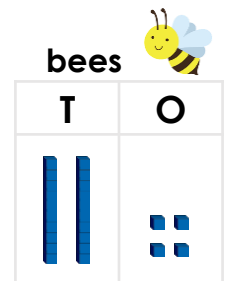
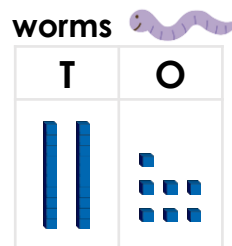
He says,



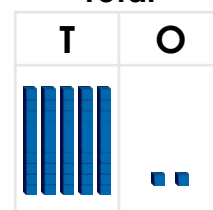
There are 27 worms and 24 bees. There are 52 insects in total.

Is Tony correct?

Using addition, explain why.



Total



RPS
HW/Ext

Add 2-Digit Numbers 2

4. Circle the correct addition calculation below.

A.

| | | |
|-------|---|---|
| | T | O |
| | 4 | 8 |
| + | 2 | 1 |
| <hr/> | | |
| | 7 | 0 |
| <hr/> | | |
| | 1 | |

B.

| | | |
|-------|---|---|
| | T | O |
| | 3 | 5 |
| + | 4 | 6 |
| <hr/> | | |
| | 7 | 1 |
| <hr/> | | |
| | 1 | |

C.

| | | |
|-------|---|---|
| | T | O |
| | 2 | 5 |
| + | 4 | 5 |
| <hr/> | | |
| | 7 | 0 |
| <hr/> | | |
| | 1 | |



VF
HW/Ext

5. Draw a line from the addition calculation to the correct answers below.

A.

| | | |
|-------|---|---|
| | T | O |
| | 4 | 7 |
| + | 3 | 5 |
| <hr/> | | |

B.

| | | |
|-------|---|---|
| | T | O |
| | 1 | 5 |
| + | 5 | 7 |
| <hr/> | | |

C.

| | | |
|-------|---|---|
| | T | O |
| | 3 | 9 |
| + | 5 | 3 |
| <hr/> | | |

92

82

72



VF
HW/Ext

6. Ana the zookeeper is trying to count the birds she needs to feed.

She says,



There are 38 big birds and 34 small birds. I will need to feed 62 birds in total.

big birds



| | |
|-------|-----------------|
| T | O |
| ● ● ● | ● ● ● ● ● ● ● ● |

small birds



| | |
|-------|-----------------|
| T | O |
| ● ● ● | ● ● ● ● ● ● ● ● |

Is Ana correct?

Using addition, explain why.



RPS
HW/Ext

Add 2-Digit Numbers 2

7. Circle the correct addition calculation below.

A.

$$39 + 42 = 71$$

B.

$$27 + 58 = 85$$

C.

$$46 + 35 = 80$$



VF
HW/Ext

8. Draw a line from the addition calculation to the correct answers below.

A.

$$36 + 56 =$$

B.

$$29 + 46 =$$

C.

$$38 + 43 =$$

seventy-five

eighty-one

ninety-two



VF
HW/Ext

9. Sophie the zookeeper is trying to count the animals she needs to feed.

She says,



There are 27 zebras and 46 monkeys. I will need to feed eighty-three animals in total.

zebras



monkeys



Is Sophie correct?

Using addition, explain why.









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Add 2-Digit Numbers 2

Developing

1. **B**
2. **A. 62; B. 71; C. 70**
3. **Tony is incorrect. Although he has exchanged his ten ones for one ten, he has added an extra one. The answer should be 51 because $27 + 24 = 51$.**

| | | |
|----------|---|---|
| | T | O |
| |  |  |
| + |  |  |
| |  |  |

Expected

4. **C**
5. **A. 82; B. 72; C. 92**
6. **Ana is incorrect. Although she has added the ones up correctly, she has forgotten to add the extra 10 in the tens column. There are 72 birds altogether, not 62.**

| | | |
|----------|----------|----------|
| | T | O |
| | 3 | 8 |
| + | 3 | 4 |
| | 7 | 2 |
| | 1 | |

Greater Depth

7. **B**
8. **A. ninety-two; B. seventy-five; C. eighty-one**
9. **Sophie is incorrect. Although she has added the ones up correctly, she has also added in an extra 10 when it is not needed. There are 73 animals altogether, not 83.**

| | | |
|----------|----------|----------|
| | T | O |
| | 2 | 7 |
| + | 4 | 6 |
| | 7 | 3 |
| | 1 | |