

Reasoning and Problem Solving

Step 14: Subtract with 2-Digits 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 (Problem Solving)

Developing Find the missing value by subtracting two 2-digit numbers. No exchanging.

Expected Find the missing value by subtracting two 2-digit numbers. Including exchanging of tens.

Greater Depth Find the missing value by subtracting a 2-digit number from a 3-digit number. Including exchanging of tens.

Questions 2, 5 and 8 (Problem Solving)

Developing Use three digit cards to make 2-digit numbers subtract 2-digit numbers. No exchanging.

Expected Use three digit cards to make 2-digit numbers subtract 2-digit numbers. Including exchanging of tens.

Greater Depth Use three digit cards to make 3-digit numbers subtract 2-digit numbers. Including exchanging of tens.

Questions 3, 6 and 9 (Reasoning)

Developing Explain the mistake when using a number line to subtract 2-digit numbers. No exchanging.

Expected Explain the mistake when using a number line to subtract 2-digit numbers. Including exchanging of tens.

Greater Depth Explain the mistake when using a number line to subtract a 2-digit number from a 3-digit number. Including exchanging of tens.


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

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Subtract with 2-Digits 2

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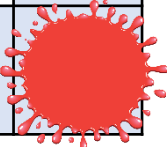
1a. Subtract the 2-digit numbers across and down the table to find the hidden value.

89	34	?
26	12	?
?	?	



PS

1b. Subtract the 2-digit numbers across and down the table to find the hidden value.

99	47	?
44	23	?
?	?	



PS

2a. Use the digit cards to fill in the empty boxes. Solve the calculation.



$$\boxed{} \boxed{8} - \boxed{2} \boxed{} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

2b. Use the digit cards to fill in the empty boxes. Solve the calculation.



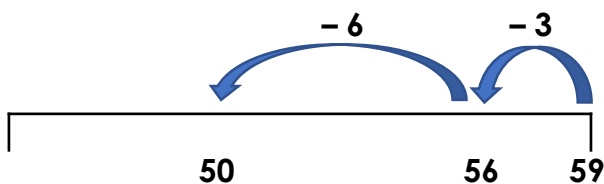
$$\boxed{8} \boxed{} - \boxed{} \boxed{2} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

3a. Amina is using a number line to solve $59 - 36$.

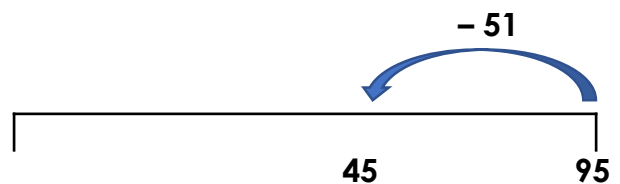


What mistake has she made?



R

3b. Jordan is using a number line to solve $95 - 51$.



What mistake has he made?




R

Subtract with 2-Digits 2

Subtract with 2-Digits 2

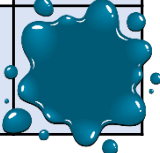
4a. Subtract the 2-digit numbers across and down the table to find the hidden value.

92	48	?
35	19	?
?	?	



PS

4b. Subtract the 2-digit numbers across and down the table to find the hidden value.

71	36	?
38	19	?
?	?	



PS

5a. Use the digit cards to fill in the empty boxes. Solve the calculation.



$$\boxed{} \boxed{3} - \boxed{2} \boxed{} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

5b. Use the digit cards to fill in the empty boxes. Solve the calculation.



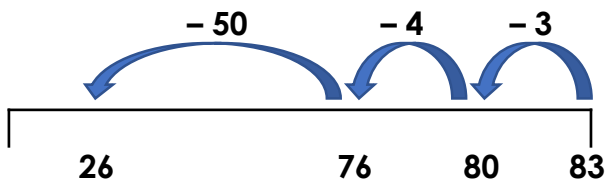
$$\boxed{} \boxed{1} - \boxed{3} \boxed{} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

6a. Abdul is using a number line to solve $83 - 54$.

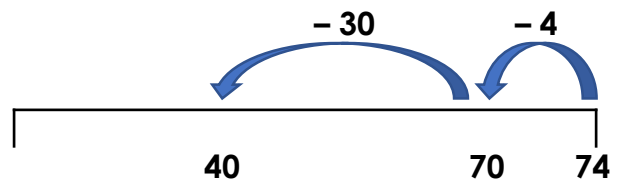


What mistake has he made?



R

6b. Romeo is using a number line to solve $74 - 38$.



What mistake has he made?




R

Subtract with 2-Digits 2

Subtract with 2-Digits 2

7a. Subtract the numbers across and down the table to find the hidden value.

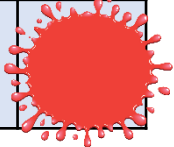
193	54	?
46	15	?
?	?	



PS



7b. Subtract the numbers across and down the table to find the hidden value.

191	33	?
63	14	?
?	?	

PS

8a. Use the digit cards to fill in the empty boxes. Solve the calculation.



$$\boxed{4} \boxed{} \boxed{2} - \boxed{3} \boxed{} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

8b. Use the digit cards to fill in the empty boxes. Solve the calculation.



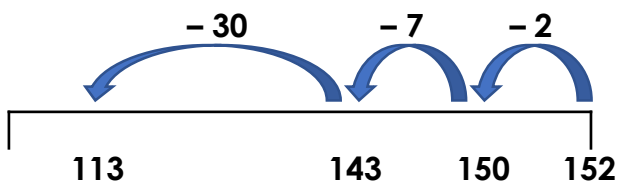
$$\boxed{7} \boxed{} \boxed{1} - \boxed{2} \boxed{} = ?$$

How many different 2-digit calculations can you make using these digit cards?



PS

9a. Gerda is using a number line to solve $152 - 37$.

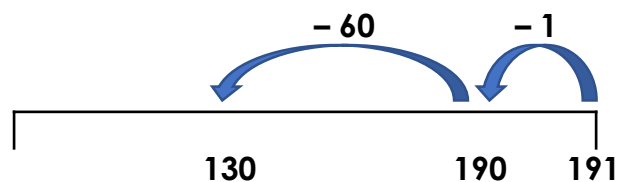


What mistake has she made?



R

9b. Scarlett is using a number line to solve $191 - 65$.



What mistake has she made?



R

Reasoning and Problem Solving Subtract with 2-Digits 2

Developing

1a.

89	34	55
26	12	14
63	22	41

2a. Various answers including:

$$48 - 27 = 21; 48 - 23 = 25; 78 - 23 = 55;$$

$$78 - 24 = 54; 38 - 24 = 14; 38 - 27 = 11$$

3a. Amina has subtracted 3 ones instead of 3 tens. The correct answer is 23.

Expected

4a.

92	48	44
35	19	16
57	29	28

5a. Various answers including:

$$53 - 29 = 24; 53 - 26 = 27; 93 - 26 = 67;$$

$$93 - 25 = 68; 63 - 25 = 38; 63 - 29 = 34$$

6a. Abdul has subtracted 7 ones. He should have only subtracted 4 ones. The correct answer should be 29.

Greater Depth

7a.

193	54	139
46	15	31
147	39	108

8a. Various answers including:

$$482 - 34 = 448; 482 - 37 = 445;$$

$$442 - 38 = 404; 442 - 37 = 405;$$

$$472 - 38 = 434; 472 - 34 = 438$$

9a. Gerda has subtracted 9 ones. She should have only subtracted 7 ones. The correct answer should be 115.

Reasoning and Problem Solving Subtract with 2-Digits 2

Developing

1b.

99	47	52
44	23	21
55	24	31

2b. Various answers including:

$$86 - 32 = 54; 86 - 52 = 34; 83 - 52 = 31;$$

$$83 - 62 = 21; 85 - 62 = 23; 85 - 32 = 53$$

3b. Jordan has only subtracted the tens. The correct answer should be 44.

Expected

4b.

71	36	35
38	19	19
33	17	16

5b. Various answers including:

$$91 - 37 = 54; 91 - 38 = 53; 71 - 39 = 32;$$

$$71 - 38 = 33; 81 - 39 = 42; 81 - 37 = 44$$

6b. Romeo has not subtracted the 4 ones that makes up the other part of 8 ones. The correct answer should be 36.

Greater Depth

7b.

191	33	158
63	14	49
128	19	109

8b. Various answers including:

$$761 - 23 = 738; 761 - 29 = 732;$$

$$731 - 29 = 702; 731 - 26 = 705;$$

$$791 - 26 = 765; 791 - 23 = 768$$

9b. Scarlett has not subtracted the 4 ones that makes up the other part of 5 ones. The correct answer should be 126.