

Reasoning and Problem Solving

Step 6: Add and Subtract 1s

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: (2C3) [Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems](#)

Differentiation:

Questions 1, 4 and 7 (Reasoning)

Developing Identify and explain common errors when adding and subtracting 1's (numbers less than 50) with pictorial support.

Expected Identify and explain common errors when adding and subtracting 1's (any 2-digit number) with limited pictorial support.

Greater Depth Identify and explain common errors when adding and subtracting 1's (any 2-digit number), no pictorial support.

Questions 2, 5 and 8 (Reasoning)

Developing Identify and explain the odd one out when adding and subtracting 1's (numbers less than 50) with pictorial support.

Expected Identify and explain the odd one out when adding and subtracting 1's (any 2-digit number) with limited pictorial support.

Greater Depth Identify and explain the odd one out when adding and subtracting 1's (any 2-digit number), no pictorial support.

Questions 3, 6 and 9 (Problem Solving)

Developing Choose the correct symbol to make the calculation correct (numbers less than 50) with pictorial support.

Expected Choose the correct symbol to make the calculation correct (any 2-digit number) with limited pictorial support.

Greater Depth Choose the correct symbol to make the calculation correct (any 2-digit number), no pictorial support.

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

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

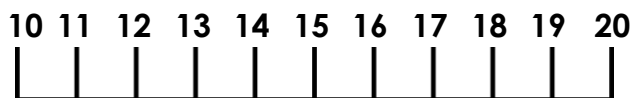
Add and Subtract 1s

Add and Subtract 1s

1a. Zamil thinks he has completed his calculation correctly. Is he correct? Explain why.



$$13 - 2 = 11$$

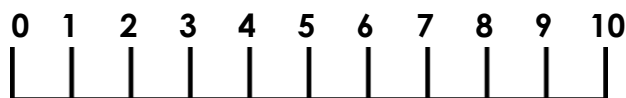


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1b. Kim thinks she has completed her calculations correctly. Is she correct? Explain why.



$$6 + 3 = 3$$



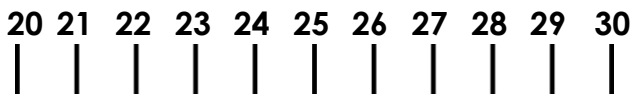
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2a. Which calculation is the odd one out and why?

$$28 - 2 = 26$$

$$20 + 6 = 26$$

$$22 + 5 = 26$$



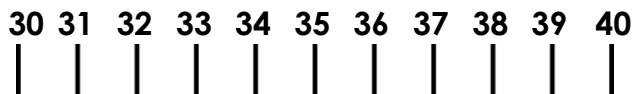
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2b. Which calculation is the odd one out and why?

$$35 + 4 = 39$$

$$37 - 2 = 39$$

$$31 + 8 = 39$$

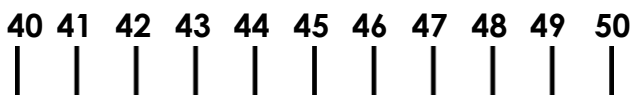


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3a. Insert the correct symbols into the boxes.

A. $47 \square 3 = 44$

B. $44 \square 5 = 49$

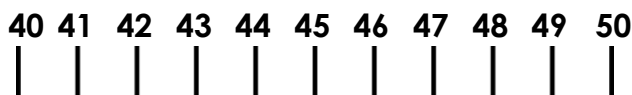


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3b. Insert the correct symbols into the boxes.

A. $49 \square 2 = 47$

B. $42 \square 6 = 48$



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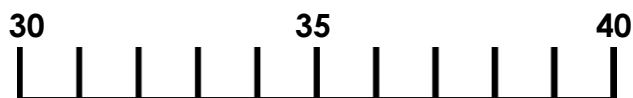
Add and Subtract 1s

Add and Subtract 1s

4a. Charlie thinks he has completed his calculation correctly. Is he correct? Explain why.



$$35 + 4 = 31$$

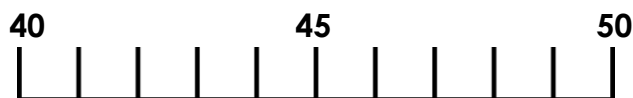


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4b. Ava thinks she has completed her calculations correctly. Is she correct? Explain why.



$$44 - 4 = 48$$



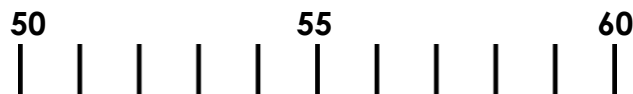
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5a. Which calculation is the odd one out and why?

$$54 + 4 = 58$$

$$54 - 4 = 58$$

$$53 + 5 = 58$$



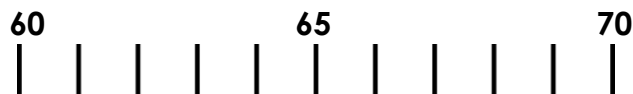
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5b. Which calculation is the odd one out and why?

$$68 - 3 = 65$$

$$62 + 5 = 65$$

$$69 - 4 = 65$$

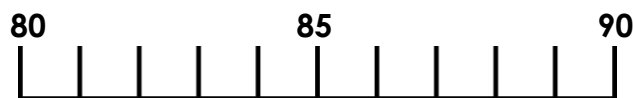


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6a. Insert the correct symbols into the boxes.

A. $89 \square 4 = 85$

B. $84 \square 5 = 89$

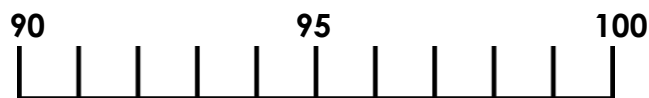


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6b. Insert the correct symbols into the boxes.

A. $97 \square 4 = 93$

B. $91 \square 5 = 96$



PS

Add and Subtract 1s

Add and Subtract 1s

7a. Ahmed thinks he has completed his calculation correctly. Is he correct? Explain why.



$$84 + 2 = 82$$



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7b. Poppy thinks she has completed her calculation correctly. Is she correct? Explain why.



$$67 - 4 = 63$$



R

8a. Which calculation is the odd one out and why?

$$70 + 6 = 76$$

$$72 - 4 = 76$$

$$78 - 2 = 76$$



R

8b. Which calculation is the odd one out and why?

$$94 - 4 = 98$$

$$95 + 3 = 98$$

$$99 - 1 = 98$$



R

9a. Insert the correct symbols into the boxes.

A. $63 \square 4 = 67$

B. $84 \square 2 = 82$



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9b. Insert the correct symbols into the boxes

A. $98 \square 4 = 94$

B. $59 \square 3 = 56$



PS

Reasoning and Problem Solving

Add and Subtract 1s

Developing

- 1a. Zamil is correct.
2a. $22 + 5$ is the odd one out as the answer is not 26. It should be $22 + 4$.
3a. A –, B +

Expected

- 4a. Charlie is incorrect. He has used subtraction instead of addition. $35 + 4 = 39$
5a. $54 - 4$ is the odd one out as the answer is not 58. It should be $54 + 4$.
6a. A –, B +

Greater Depth

- 7a. Ahmed is incorrect. He has used subtraction instead of addition. $84 + 2 = 86$
8a. $72 - 4$ is the odd one out as the answer is not 76. It should be $72 + 4$.
9a. A +, B –

Reasoning and Problem Solving

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Developing

- 1b. Kim is incorrect. She has used subtraction instead of addition. $6 + 3 = 9$
2b. $37 - 2$ is the odd one out as the answer is not 39. It should be $37 + 2$.
3b. A –, B +

Expected

- 4b. Ava is incorrect. She has used addition instead of subtraction. $44 - 4 = 40$
5b. $62 + 5$ is the odd one out as the answer is not 65. It should be $62 + 3$.
6b. A –, B +

Greater Depth

- 7b. Poppy is correct.
8b. $94 - 4$ is the odd one out as the answer is not 98. It should be $94 + 4$.
9b. A –, B –