

Reasoning and Problem Solving

Step 16: Finding the Difference

National Curriculum Objectives:

Mathematics Year 1: (1C4) [Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as \$7 = - 9\$](#)

Mathematics Year 1: (1C2a) [Add and subtract one-digit and two-digit numbers to 20, including zero](#)

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Finding the difference between two 1-digit numbers (no digit greater than 5).

Expected Finding the difference between two 1-digit numbers or a 2-digit and 1-digit number (no digit greater than 10).

Greater Depth Finding the difference between a 2-digit and 1-digit number or two 2-digit numbers (no digit greater than 20).

Questions 2, 5 and 8 (Problem Solving)

Developing Creating subtraction calculations, focusing on finding the difference between two 1-digit numbers (no digit greater than 5).

Expected Creating subtraction calculations, focusing on finding the difference between two 1-digit numbers or a 2-digit and 1-digit number (no digit greater than 10).

Greater Depth Finding the difference between a 2-digit and 1-digit number or two 2-digit numbers (no digit greater than 20).

Questions 3, 6 and 9 (Reasoning)

Developing Finding the difference between two 1-digit numbers (no digit greater than 5).

Expected Finding the difference between two 1-digit numbers or a 2-digit and 1-digit number (no digit greater than 10).

Greater Depth Finding the difference between a 2-digit and 1-digit number or two 2-digit numbers (no digit greater than 20).

More [Year 1 Addition and Subtraction](#) resources.

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

Finding the Difference

1a. The difference between Daisy and Todd's bears is 2.

If Daisy has 3 bears, how many bears could Todd have?



Daisy



PS

Finding the Difference

1b. The difference between Leo and Kim's cupcakes is 1.

If Leo has 2 cupcakes, how many cupcakes could Kim have?

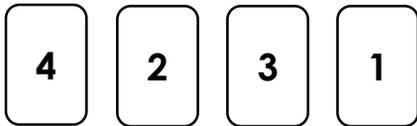


Leo



PS

2a. Use the digit cards to make 2 different subtraction calculations.



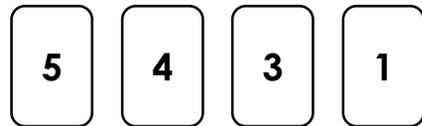
$$\square - \square = \square$$

$$\square - \square = \square$$



PS

2b. Use the digit cards to make 2 different subtraction calculations.



$$\square - \square = \square$$

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PS

3a. Eva has 4 buttons and Fazil has 2 buttons.

Eva thinks the difference is 2.



Eva



Fazil

Is she correct? Explain why.



R

3b. Arun has 5 flowers and Anna has 3 flowers.

Arun thinks the difference is 3.



Arun



Anna

Is he correct? Explain why.



R

Finding the Difference

4a. The difference between Tom and Sam's balloons is 3.

If Tom has 5 balloons, how many balloons could Sam have?



Tom



PS

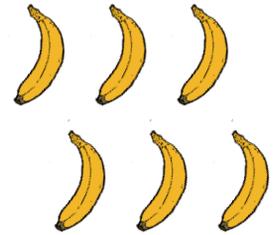
Finding the Difference

4b. The difference between Ali and Sasha's bananas is 4.

If Ali has 6 bananas, how many bananas could Sasha have?



Ali



PS

5a. Use the digit cards to make 3 different subtraction calculations.



$$\square - \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$



PS

5b. Use the digit cards to make 3 different subtraction calculations.



$$\square - \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$



PS

6a. Ruby has 7 sweets and Bobby has 10 sweets.

Ruby thinks the difference is 4.



Ruby



Bobby

Is she correct? Explain why.



R

6b. Fatima has 5 cookies and Rory has 8 cookies.

Rory thinks the difference is 3.



Fatima



Rory

Is he correct? Explain why.



R

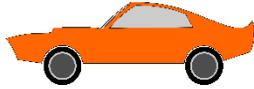
Finding the Difference

7a. The difference between Kay and Ted's toy cars is 7.

If Kay has 12 toy cars, how many toy cars could Ted have?



Kay



PS

Finding the Difference

7b. The difference between Kiran and Sofia's jewels is 6.

If Kiran has 9 jewels, how many jewels could Sofia have?



Kiran



PS

8a. Use the digit cards to make 3 different subtraction calculations.



$$\square - \square = \square$$

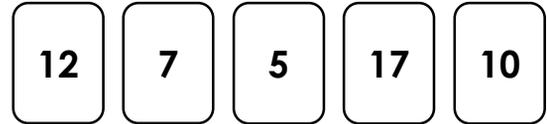
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PS

8b. Use the digit cards to make 3 different subtraction calculations.



$$\square - \square = \square$$

$$\square - \square = \square$$

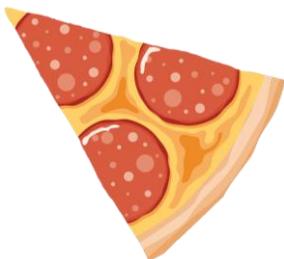
$$\square - \square = \square$$



PS

9a. Jude has 19 slices of pizza and Zoya has 11 slices of pizza.

Jude thinks the difference is 7.



Is he correct? Explain why.



R

9b. Hope has 15 footballs and Rex has 8 footballs.

Hope thinks the difference is 8.



Is she correct? Explain why.



R

Reasoning and Problem Solving Finding the Difference

Developing

1a. 1 or 5

2a. Possible calculations:

$$4 - 3 = 1; 3 - 1 = 2; 3 - 2 = 1; 4 - 1 = 3$$

3a. Eva is correct because $4 - 2 = 2$.

Expected

4a. 2 or 8

5a. Possible calculations:

$$9 - 7 = 2; 7 - 4 = 3; 9 - 2 = 7; 7 - 3 = 4$$

6a. Ruby is incorrect because $10 - 7 = 3$.

Greater Depth

7a. 5 or 19

8a. Possible calculations:

$$17 - 4 = 13; 17 - 13 = 4; 13 - 4 = 9;$$

$$13 - 9 = 4; 17 - 9 = 8; 17 - 8 = 9$$

9a. Jude is incorrect because $19 - 11 = 8$.

Reasoning and Problem Solving Finding the Difference

Developing

1b. 1 or 3

2b. Possible calculations:

$$5 - 4 = 1; 4 - 3 = 1; 5 - 4 = 1; 4 - 1 = 3$$

3b. Aran is incorrect because $5 - 3 = 2$.

Expected

4b. 2 or 10

5b. Possible calculations:

$$8 - 5 = 3; 8 - 3 = 5; 5 - 3 = 2; 5 - 2 = 3;$$

$$8 - 2 = 6; 8 - 6 = 2$$

6b. Rory is correct because $8 - 5 = 3$.

Greater Depth

7b. 3 or 15

8b. Possible calculations:

$$12 - 7 = 5; 12 - 5 = 7; 17 - 10 = 7;$$

$$17 - 7 = 10; 17 - 12 = 5; 17 - 5 = 12$$

9b. Hope is incorrect because $15 - 8 = 7$.