Homework/Extension
Step 3: Add by Making 10

National Curriculum Objectives:

Mathematics Year 1: (1N1a) Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Mathematics Year 1: (1N2a) Count, read and write numbers to 100 in numerals
Mathematics Year 1: (1N2b) Given a number, identify one more and one less
Mathematics Year 1: (1N4) Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Complete the representations and statements of adding by making 10. Representations include number lines and statements.
Expected Complete the representations and statements of adding by making 10. Representations include partly filled number lines and statements.
Greater Depth Complete the representations and statements of adding by making 10. Representations include incomplete number lines and statements.

Questions 2, 5 and 8 (Varied Fluency)
Developing Match the representation to the correct two statements. Statements include numerals only.
Expected Match the representations to the correct four statements. Statements include numerals only.
Greater Depth Use the statements to complete the representations. Match the representations to the four statements. Statements include numerals and words only.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain who is correct when identifying the correct method of adding by making 10. Question includes ten frame for support.
Expected Explain who is correct when identifying the correct method of adding by making 10. Question includes completed number line for support.
Greater Depth Explain who is correct when identifying the correct method of adding by making 10 and complete number line for support. Statement includes use of numerals and words.

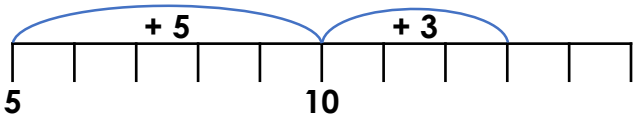
More Year 1 Addition and Subtraction resources.

Did you like this resource? Don't forget to review it on our website.

Add by Making 10

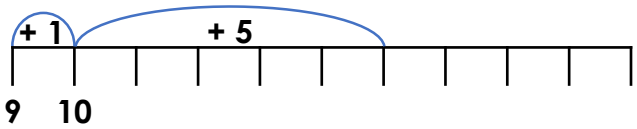
1. Complete the number lines and calculations to show how you can add by making 10.

5 + 8 = ☐



5 + ☐ + ☐ = ☐

9 + 6 = ☐



9 + ☐ + ☐ = ☐

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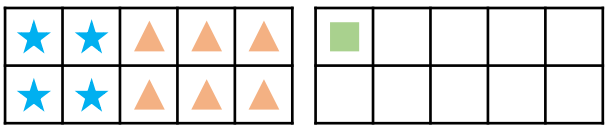
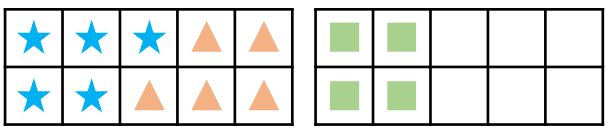
2. Match the ten frames to the correct calculations and complete the answers.

A.



B.



5 + 5 + 4 = ☐

4 + 6 + 1 = ☐

D

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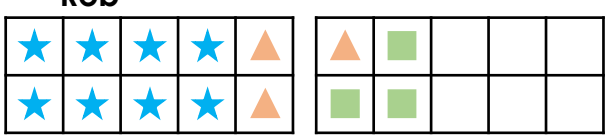
3. Rob and Zara are solving this calculation. They must add by making 10. They each show their calculation.

8 + 6 =

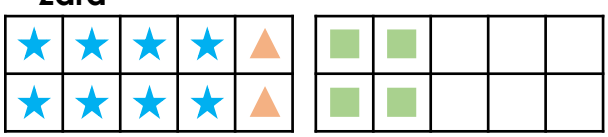
Rob

I partitioned 6 in to 3 and 3. So I calculated 8 + 3 + 3 = 14



Zara

I partitioned 6 in to 4 and 2. So I calculated 8 + 2 + 4 = 14.



Who is correct? Explain why.

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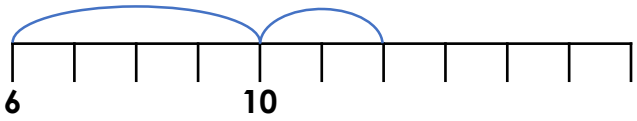
Add by Making 10

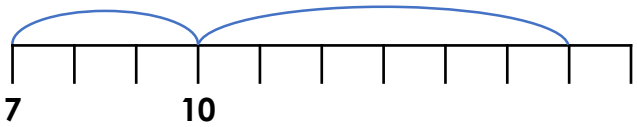
4. Complete the number lines and calculations to show how you can add by making 10.

6 + 6 = ☐



6 + ☐ + ☐ = ☐

7 + 9 = ☐



7 + ☐ + ☐ = ☐

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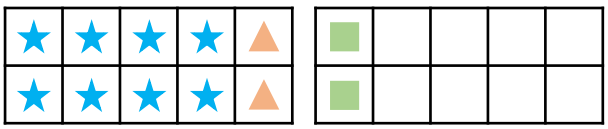
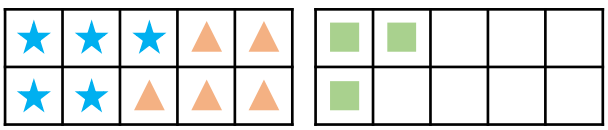
5. Match the ten frames to the correct calculations and complete the answers.

A.



B.



8 + 2 + 2 = ☐

5 + 8 = ☐

8 + 4 = ☐

5 + 5 + 3 = ☐

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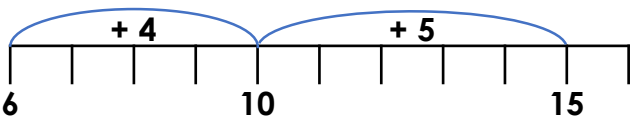
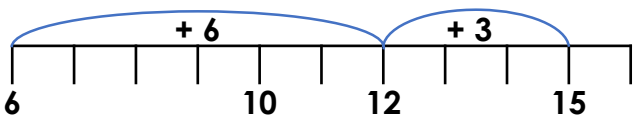
6. Jordan and Sally are solving this calculation. They must add by making 10. They each show their calculation .

6 + 9 =

Jordan: I partitioned 9 in to 4 and 5. So I calculated 6 + 4 + 5 = 15.



Sally: I partitioned 9 in to 6 and 3. So I calculated 6 + 6 + 3 = 15.



Who is correct? Explain why.

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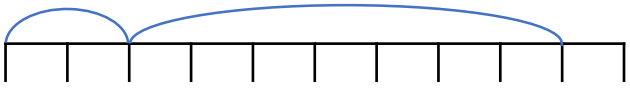
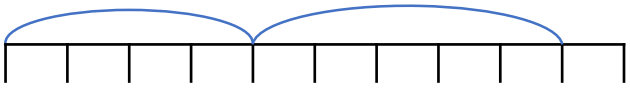
7. Complete the number lines and calculations to show how you can add by making 10.

8 + 9 = ☐



8 + ☐ + ☐ = ☐

6 + 9 = ☐



6 + ☐ + ☐ = ☐

GD

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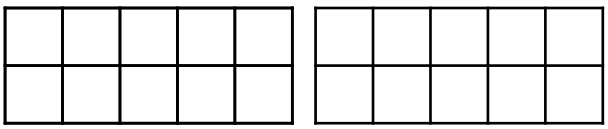
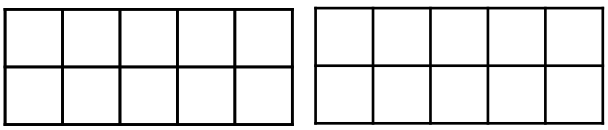
HW/Ext

8. Using the calculations, complete the ten frames and match them to two calculations.

A.



B.



5 + 5 + 4 = fourteen

8 + 8 = 16

five + nine = 14

2 + 8 + six = sixteen

GD

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HW/Ext

9. Mary and Jamal are solving this calculation. They must add by making 10. They each explain their calculation.

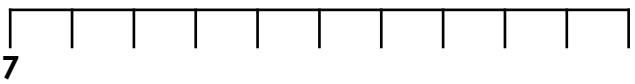
7 + eight =

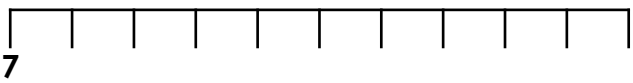
Mary

I partition eight into 4 and four. So I must calculate 7 + 4 + 4.

Jamal

I partition eight into 3 and 5. So I must calculate 7 + 3 + 5.





Who is correct? Complete the number line and explain why.

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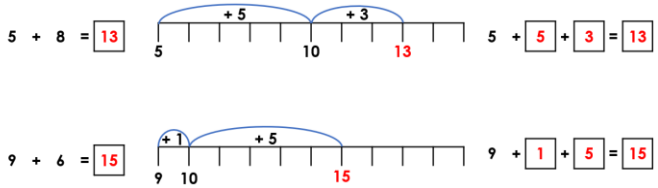
Developing

1. The representation should show:

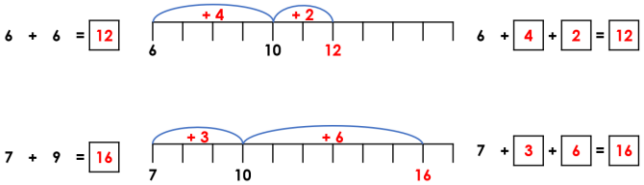


2. A: 4 + 6 + 1 = 11; B: 5 + 5 + 4 = 14

3. Zara is correct because she has correctly created a number bond of 10. 8 + 2 = 10 + 4 = 14.

Expected

4. The representation should be completed as:

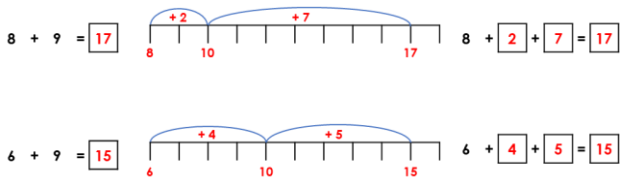


5. A: 8 + 4 = 12 and 8 + 2 + 2 = 12; B: 5 + 8 = 13 and 5 + 5 + 3 = 13

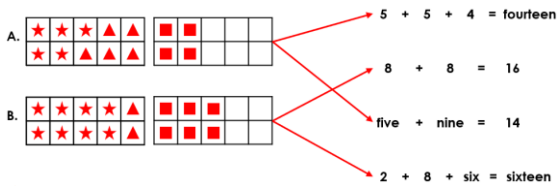
6. Jordan is correct because he has created a number bond of 10 with 6 + 4. He has added by making 10. 6 + 4 = 10 + 5 = 15.

Greater Depth

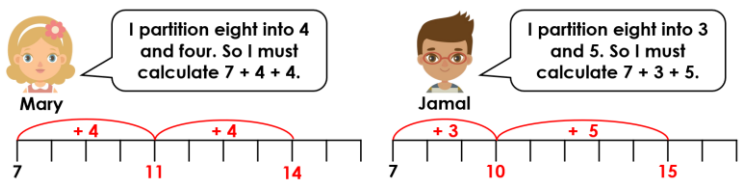
7. The representation should be completed as:



8. Various answers, for example:



9. The representations should be completed as:



Jamal is correct because he has created a number bond of 10 with 7 + 3. He has added by making 10. 7 + 3 = 10 + 5 = 15.