

Addition and Subtraction Unit 2

Problem solving and reasoning questions

Write three subtractions for Frog to do where his jumps add to 24. Show Frog's hops and write the subtractions.

Complete each diagram.

100	
68	

100	
34	

100	
55	

Describe how you will complete each of these subtractions and write the answers.

- $102 - 67 =$
- $134 - 23 =$
- $113 - 78 =$

These questions should be provided for children to do once the unit has been completed. They assess the children's mastery of the skills and concepts in this unit.

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Write three subtractions for Frog to do where his jumps add to 24. Show Frog's hops and write the subtractions.

Various, e.g. $61 - 37$, $103 - 79$, $212 - 188$. Check that the jumps tally with the subtraction.

Answers such as $98 - 74$ or $104 - 80$ (which can both be done mentally) suggest children do not understand when it is likely to be most efficient to use Frog.

Complete each diagram.

100	
68	32

100	
34	66

100	
55	45

Answers of 42, 76 and 55 suggest children have added the 10s and 1s separately and failed to take account of the extra 10 from adding the 1s.

Describe how *you* will complete each of these subtractions and write the answers.

- $102 - 67 = 35$; e.g. Frog jumps of 3, 30 and 2.
- $134 - 23 = 111$; partition 23 and subtract 20 then 3.
- $113 - 78 = 35$; Frog jumps of 2, 20, 10 and 3.

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For the first and third of these some children may choose to combine some of the jumps.

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