Addition and Subtraction Unit 3

Problem solving and reasoning questions

Year 3

Write 3 different subtractions where Frog does 2 hops and they are both 7.

Use Maths Frog to help you write the missing digits:
7 ☐ – 4 8 = 2 4
☐ 5 – 2 7 = 6 ☐

Write 3 pairs of numbers, each having a difference of 17. One of the numbers must be more than 100, the other must be less than 100.

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.

Year 4

Describe how you will complete each of these subtractions:

102 – 67 = ☐

134 – 23 = ☐

113 – 78 = ☐

Find the missing numbers represented in these bar diagrams:

212	
157	

327	
	259

534	
487	

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.

Addition and Subtraction Unit 3

Problem solving and reasoning questions

Year 3

Write 3 different subtractions where Frog does 2 hops and they are both 7.

37 – 23, 57 – 33, 107 – 93. In each case the first hop of 7 takes Frog to a multiple of 10.

Use Maths Frog to help you write the missing digits:
7 **2** – 4 8 = 2 4
9 5 – 2 7 = 6 **8**

Write 3 pairs of numbers, each having a difference of 17. One of the numbers must be more than 100, the other must be less than 100.

16 possible answers:
116 and 99, 115 and 98, 114 and 97 …….. 101 and 84.

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.

Year 4

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

- 102 – 67 = 35; count up: jumps of 3, 30 and 2.
- 134 – 23 = 111; partition 23; subtract 20 then 3.
- 113 – 78 = 35; count up: jumps of 2, 20, 10 and 3.

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

Find the missing numbers represented in these bar diagrams:

212	
157	55

327	
68	259

534	
487	47

These are best solved by starting with the smaller number and counting up using complements/ Frog jumps to get to the next 100 or the larger number. In each case Frog should stop at the next multiple of 100.

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.

