Diving into Mastery – Diving Adult Guidance with Question Prompts

Children subtract numbers where they cross the tens boundary. They first jump back to ten and then jump back the remaining amount. Using number lines and ten-frames will assist children to model the calculations involved.

When subtracting, does the starting number get bigger or smaller? How do you know?

If Jill started on 16, how many would she jump back to get to ten?

How many more steps would she jump from ten?

If Jill started on (insert a different number between 11 and 20), how many would she jump back to get to ten?

I started at 12 and jumped back to ten. Then, I jumped back five more. How many did I jump back in total?

I started at (insert a number greater than 12) and jumped back to ten. Then, I jumped back (insert a number less than ten) more. How many did I jump back in total?



Jill flips back from a bigger number to a smaller one.

She starts at 16 and jumps back 9. **16 – 9 = ?**



Use the 3 ways to answer these:

13 - 7

16 - 7







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i,	Can you think of a better mode	
17 - 8 (4) (4)	Is this a good way to work out the answer? Why or why not?	What is the best way to partition the second number to calculate (insert a different calculation)?
	Jill is working out 17 – 8.	What is the best way to partition the second number to calculate 17 – 8? Why?
13 - 7 =	13 - 6 = 13 - 4 =	I finished at five. In total, I had jumped back 11. What was my starting number?
		I jumped back (insert a different number less than ten) and landed on ten. What was my starting number?
		I jumped back eight and landed on ten. What was my starting number?
		How many did Jill jump back on the number line?
		When using a number line, why is it a good idea to jump back to ten first?
r jump.	Tick the calculation to show he	tens boundary.
to	Jill starts at 13 and jumps back	Children use ten-frames and number lines to complete
		Adult Guidance with Question Prompts
	Subtraction – Crossing 10 (1)	Diving into Macteru - Deener

Diving into Mastery - Deepest Adult Guidance with Question Prompts

Children complete subtraction calculations where they cross the tens boundary. They solve a problem with several possible answers. They write subtraction calculations to match the possible answers.

Could Jill have started on four? Why or why not?

Could Jill have started on ten? Why or why not?

Show me a different way of working out the answer to the problem. Can you use ten-frames? Can you partition numbers?

Which way do you find the easiest and why?

What is the answer to your problem? Show the answer using a number line.

Subtraction – Crossing 10 (1)

Jill has jumped along a number line and ended up at 6.



She jumped more than 4 but less than 9. Where could she have started?

Can you write a calculation for each of the starting places?

Make up your own puzzle about Jill for a friend to solve.



