

Year 4

Counting Backwards Place Value Maths Mastery



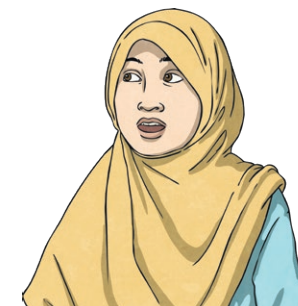
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1. Fatima has a number square with the top line blank.

			-4						
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

She says the square above 4 will be -4.

Explain why she is incorrect.



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2. Alfie has a number square with a blank line at the top.

			-6						
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
16	17	18	19	20	26	27	28	29	30
21	22	23	24	25	26	27	28	29	30



He says, "If I complete the top line of the number square, only 2 columns will end in the same digit."

Is he correct? Which columns, if any, keep the same digit in the ones column?

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3. Laura says, " I find the difference between a negative and positive number, I can add the value of the numbers ignoring the minus sign on the negative number."

Explain why Laura is correct.



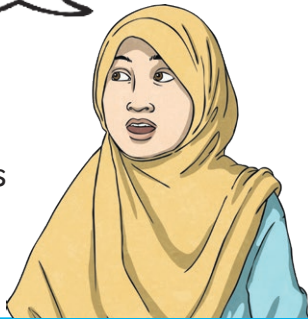
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4. Fatima says that when she counts back eight from 3, she gets to -6.

2, 1, -1, -2, -3, -4, -5, -6.

Can you spot her mistake?

Was there another way that Fatima's mistake could have been identified?



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5. Alfie counts backwards in twos from 9.

When he says the number -8, Laura says that there must be a mistake.

What mistake might Laura have spotted?

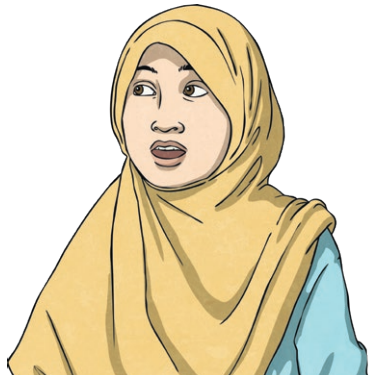
Work with a partner and give each other a starting number to count back from in twos.



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6. Fatima counts backwards in fives. She says, "No matter which number I start with, the sequence will always only have numbers with 2 different ones digits."

Write three sequences that show this idea is not always correct.



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7. Laura counts backwards in tens from a multiple of ten.

50, 40, 30, 20, -10, 0, -10, -20

All of the answers end in 0.

Will the ones digit always be the same when counting back in tens from any other number?

