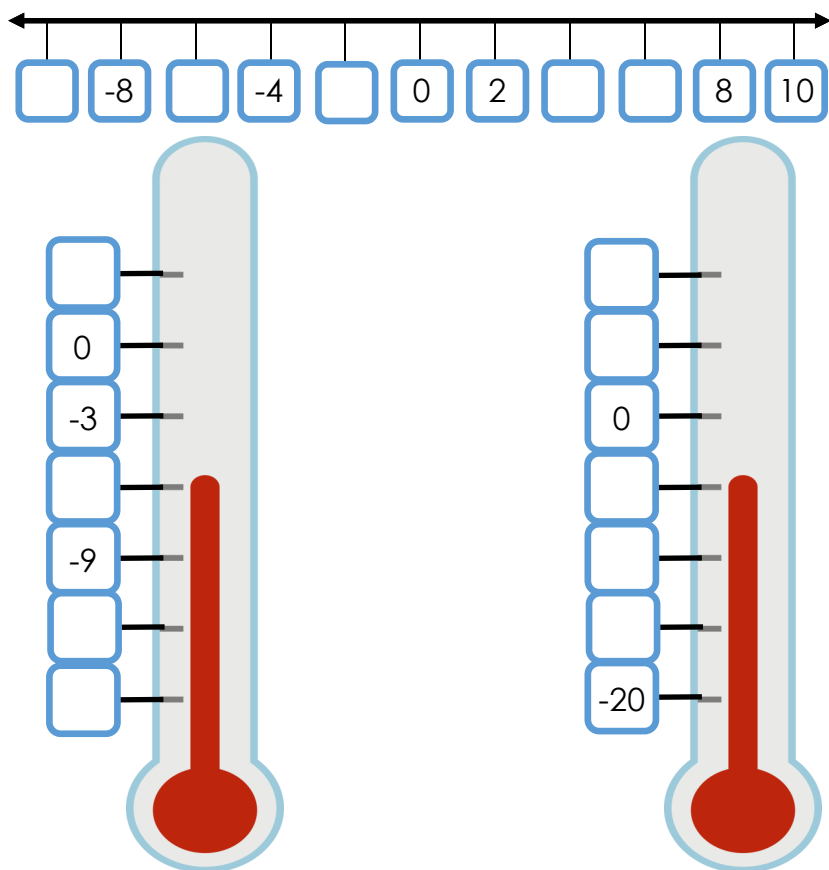




YR4 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

FLUENCY 1

Write the numbers that are missing from the visual representations.



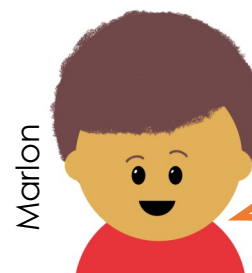
FLUENCY 2

Complete the sequences.

-6			-3		-1		
-12		0			18		
		-13		-9		-3	
-9		-1			11		

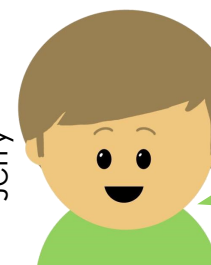
FLUENCY 3

Jerry and Marlon are counting backwards in 5s.
What will their next five numbers be?



Marlon

13, 8, 3...



Jerry

16, 11, 6...

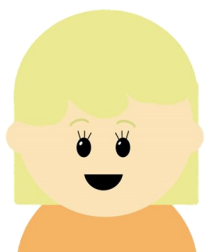




YR4 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

REASONING 1

True or False?

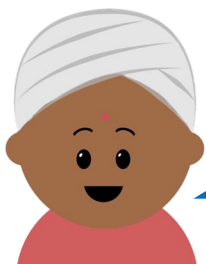


With negative numbers, the further away from zero you get, the smaller the number is.

Explain your reasoning!

REASONING 2

Ranjit is counting down in 4s.



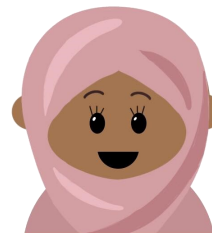
23, 19, 15, 11...

Will he say -7 ?

Explain your reasoning!

REASONING 3

Asha is counting up in 2s.

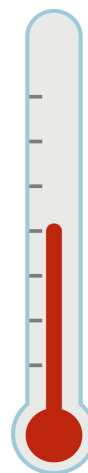


$-10, -8, -6, -4, -2, 2, 4...$

Can you explain Asha's mistake?

REASONING 4

Work out the temperature for each day of the week.



Monday	2°C
Tuesday	temperature dropped three degrees since yesterday
Wednesday	six degrees colder than Monday
Thursday	temperature rose nine degrees since yesterday
Friday	twelve degrees warmer than Tuesday
Saturday	temperature dropped five degrees since yesterday
Sunday	four degrees hotter than Friday



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YR4 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

PROBLEM SOLVING 1

Two scuba divers have been exploring the reef.

Use the clues to work out how far below sea level they might have gone.



I am only allowed to go as far down as -12 metres.

I started on the beach at 1 metre above sea level.

I swam down 3 metres at a time and have stopped at an odd number of metres.

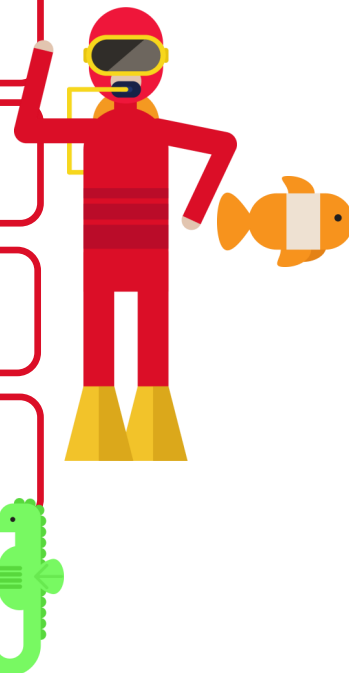


I am allowed to go as far down as -20 metres.

I started at my house, which is 7 metres above sea level.

I went down 8 metres and then swam down 4 metres at a time.

I went down as far as I could without going too deep.



Is there more than one possibility for one of the divers?

If so, find all possible answers!



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