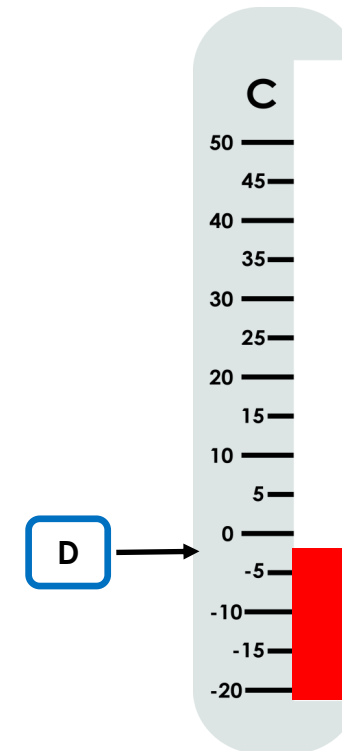
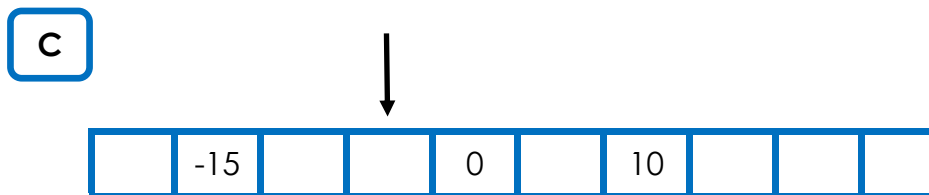
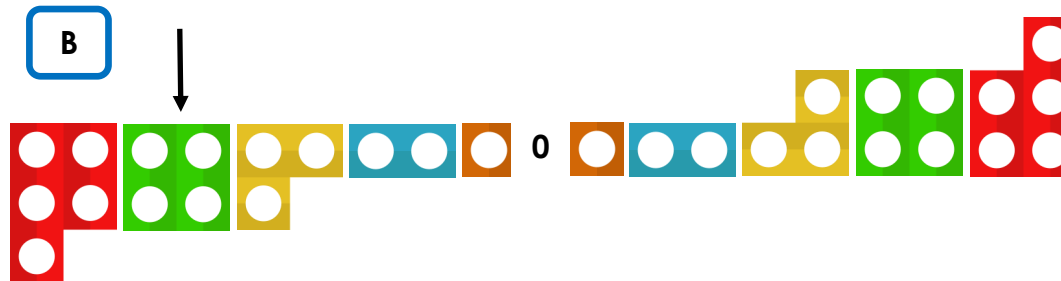
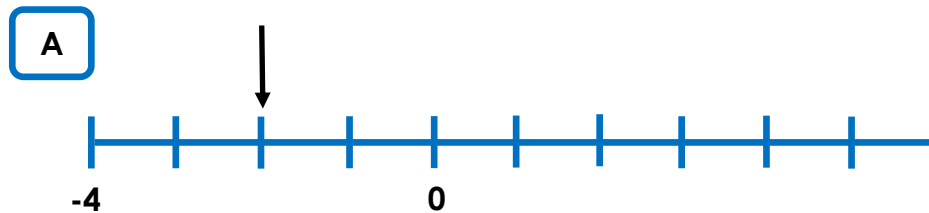




YR5 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

FLUENCY 1

Write the negative number each visual represents.



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YR5 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

FLUENCY 2

Calculate the missing numbers.

Temperature	Change in Temperature	New Temperature
27°C		31°C
-13°C	+11°C	
	-19°C	-4°C
21°C	-15°C	
	+16°C	4°C
18°C		-20°C
-17°C	+16°C	

FLUENCY 3

Here are the average temperatures for some popular holiday destinations.

Madrid	Reykjavik	Rio De Janeiro	Moscow
26°C	-8°C	31°C	-2°C

Order the cities from coldest to warmest.

What is the difference between...

Madrid and Reykjavik?

Rio De Janeiro and Moscow?

The warmest city and the coldest city?



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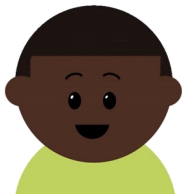
YR5 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

FLUENCY 4

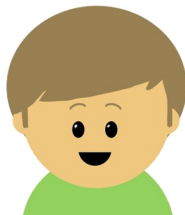
Here are the bank balances of Caleb and Jerry.

Ranjit's balance is exactly halfway between Caleb's and Jerry's.

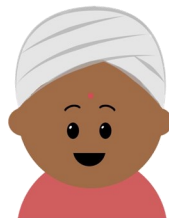
What is Ranjit's bank balance?



-£325



£85



?

FLUENCY 5



At its highest point, the mountain is 3,142m tall.
Estimate how far below sea level the whale might be.



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YR5 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

REASONING 1

Convince Me

Nineteen less than four is negative fifteen

The difference between -32 and 12 is 44

-18 is a bigger number than -19

REASONING 2

Order these numbers from smallest to largest.

-18

-4

-8

-12

Explain how you know.

REASONING 3

Darcey counts down in 4s starting from 7.



7... 3... -1...

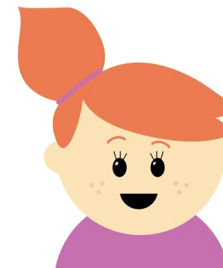
All of the numbers in this sequence will be odd.

Is she correct?

Explain your reasoning.

REASONING 4

Millie says:



If I start with a positive number and subtract a bigger number, then answer will be a negative number.

Is she correct? Explain your reasoning.

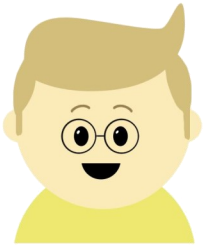




YR5 PROGRESSION IN MASTERY LESSON PACK - NEGATIVE NUMBERS

PROBLEM SOLVING 1

Can you use the clues to help Alfie calculate his closing balance for the month of August?



On 7th August, Alfie went to the beach with his friends. He spent £78.

On 24th August, Alfie's mum loaned him £90.

On 12th August, Alfie went to the cinema. His ticket cost £8 and he spent £16 on snacks.

On 16th August, Alfie received £100 for his birthday.

On 2nd August, Alfie went to a theme park with his friends. He spent £28 to enter and £12 on lunch.

On 30th August, Alfie bought some supplies for school. He spent £34

Date	Credit	Debit	Balance
1st August			Opening Balance: £24
2nd August			
7th August			
12th August			
16th August			
24th August			
30th August			
31st August			Closing Balance:

