

Ordering Negatives



Aim

- I can order negative numbers.

Success Criteria

- I can identify negative numbers on a number line.
- I can put negative numbers in order.

Last One Standing



Write a 4-digit number on your whiteboard and stand up.



I will give 5 different statements about your numbers. If your number fits the first statement, you should stay standing. If it doesn't, you should sit down.

For each statement, continue to stand if your number fits.

Who will be the last ones standing?



Last One Standing



Statement 1:



The thousands digit is more than 2.



Last One Standing



Statement 2:



The hundreds digit is greater than the ones digit.



Last One Standing



Statement 3:



The tens digit is less than 5.



Last One Standing



Statement 4:



The ones digit is less than half of the hundreds digit.



Last One Standing



Statement 5:



There is a 4 in the thousands place.



Last One Standing



Is there anyone left standing? If so, well done!



We will play it again with a 5-digit number and new statements.

Will you be left standing this time?

Write your 5-digit number on your whiteboard and stand up.



Last One Standing



Statement 1:



The ten thousands digit is more than 2.



Last One Standing



Statement 2:



The thousands digit is greater than the tens digit.



Last One Standing



Statement 3:



The hundreds digit is less than 6.



Last One Standing



Statement 4:



The ones digit is more than half the ten thousands digit.



Last One Standing



Statement 5:



There is a 7 in the ones place.



Ordering Negative Numbers

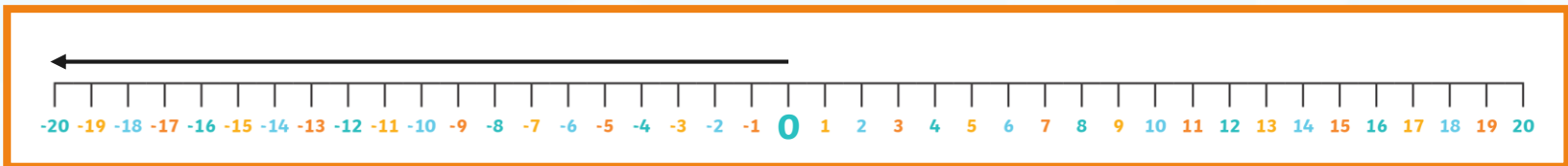


We know that any number below 0 is a negative number.

Negative numbers are the opposite of positive numbers. Positive numbers increase above 0, and negative numbers decrease below 0. The greater the negative number, the further below 0 it is, and the lower it is.

We can see this by using a number line.

The further below zero that we go, the greater the negative numbers get.



Ordering Negative Numbers



Which of these negative numbers is lowest?

-12

-2

-20

Ordering Negative Numbers



Which of these negative numbers is lowest?

-12

-2

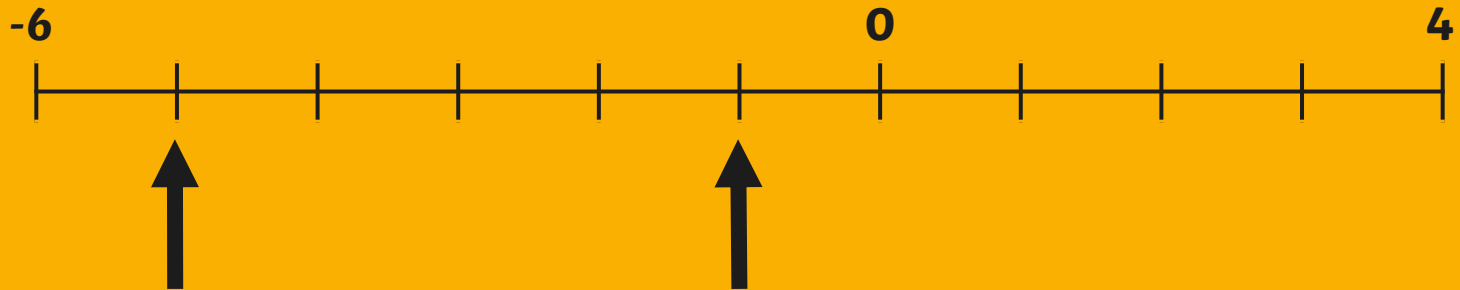
-20

-20 is furthest below 0. It is the lowest number.

Number Lines



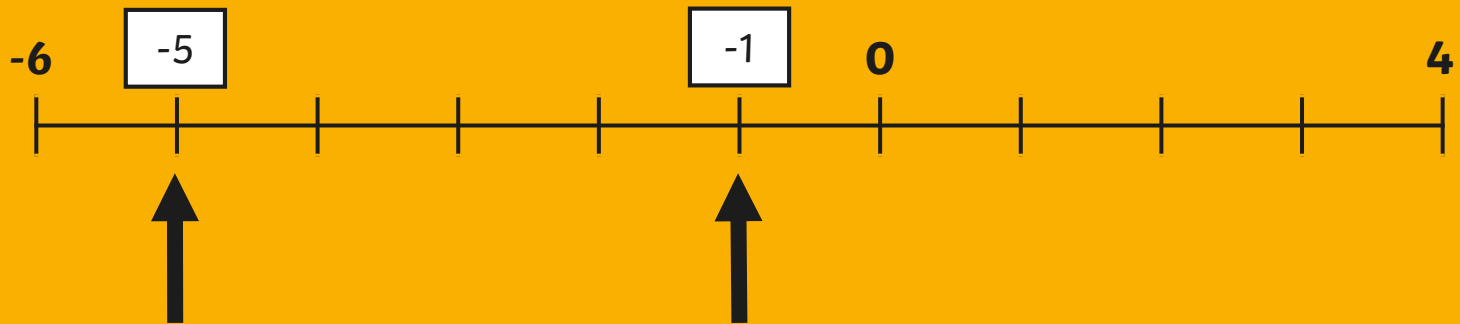
Can you identify the number each arrow points to?



Number Lines



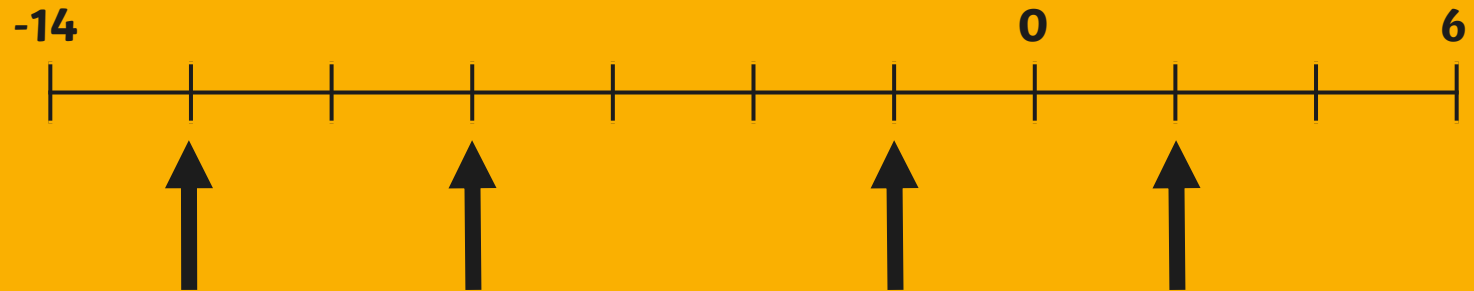
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Number Lines



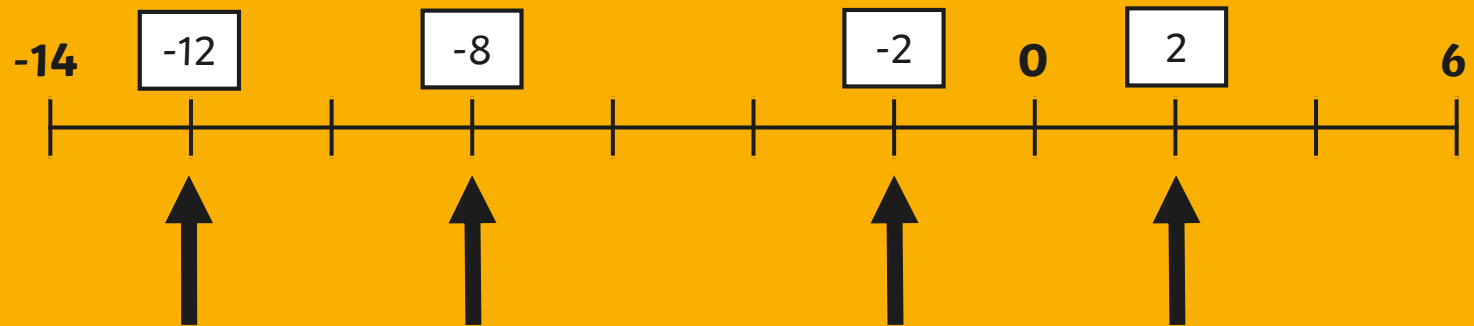
Now identify the numbers these arrows point to.



Number Lines



Now identify the numbers these arrows point to.



Ordering



Can you put these numbers in descending order
(from highest to lowest)?

1

-1

-18

-15

-5

Go to the next page for the answer!

Ordering



Answer

-18

-15

-5

-1

1

Ordering



Can you put these numbers in descending order
(from highest to lowest)?

-9

-5

3

-20

-10

Go to the next page for the answer!

Ordering



Answer

-20

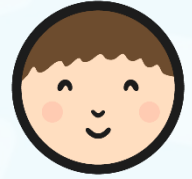
-10

-9

-5

3

Negative Number Maze



These aliens need you to help them get back to their home planet!

Start at any of the 3 aliens at the bottom of your **Negative Number Maze Activity Sheet**.
Follow the trail of negative numbers up to guide each alien back to their planet.




Negative Number Maze




★ Negative

I can order negative numbers.


Start at any of the 3 aliens. Follow the trail of negative numbers up to guide each alien back to their planet.



-20




-63



-110


-19	-18	-17	-11	-63	-58	-45	-65	-101	-83	-72	-81	-65	-71	-27	-25	-31
-20	-13	-10	-16	-55	-53	-48	-90	-92	-74	-65	-58	-17	-19	-23	-21	-17
-16	-6	-9	-15	-43	-35	-25	-43	-47	-56	-37	-47	-51	-23	-17	-19	-15
-12	-8	-6	-20	-10	-15	-23	-38	-23	-30	-47	-44	3	-1	-15	-13	-12
-7	-10	-15	-13	-5	-13	-17	-19	-16	-17	-38	-29	7	-5	-9	-11	-9
-3	-6	-9	-15	-7	-15	-12	-25	-7	-9	-5	11	-20	-24	-6	7	-7
-2	-5	-1	-9	-13	-9	-5	-15	-12	-2	12	15	23	-11	-2	-9	16

Look for negative numbers stepping down in 1s




-4

Look for negative numbers stepping down in 1s



-11

Look for negative numbers stepping down in 1s




5


★★ Negative

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-63



-110


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-16	-6	-9	-15	-43	-35	-25	-43	-47	-56	-37	-47	-51	-23	-17	-19	-15
-12	-8	-6	-20	-10	-15	-23	-38	-23	-30	-47	-44	3	-1	-15	-13	-12
-7	-10	-15	-13	-5	-13	-17	-19	-16	-17	-38	-29	7	-5	-9	-11	-9
-3	-6	-9	-15	-7	-15	-12	-25	-7	-9	-5	11	-20	-24	-6	7	-7
-2	-5	-1	-9	-13	-9	-5	-15	-12	-2	12	15	23	-11	-2	-9	16

Look for negative numbers stepping down in 1s




-4

Look for negative numbers stepping down in 2s



-11

Look for negative numbers stepping down in 5s




5


★★★ Negative Number Maze

I can order negative numbers.


Start at any of the 3 aliens. Follow the trail of negative numbers up to guide each alien back to their planet.



-20




-63



-110


-19	-18	-17	-11	-63	-58	-45	-65	-101	-83	-72	-81	-65	-71	-27	-25	-31
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-16	-6	-9	-15	-43	-35	-25	-43	-47	-56	-37	-47	-51	-23	-17	-19	-15
-12	-8	-6	-20	-10	-15	-23	-38	-23	-30	-47	-44	3	-1	-15	-13	-12
-7	-10	-15	-13	-5	-13	-17	-19	-16	-17	-38	-29	7	-5	-9	-11	-9
-3	-6	-9	-15	-7	-15	-12	-25	-7	-9	-5	11	-20	-24	-6	7	-7
-2	-5	-1	-9	-13	-9	-5	-15	-12	-2	12	15	23	-11	-2	-9	16

Look for negative numbers stepping down in 1s




-4

Look for negative numbers stepping down in 4s





19


Look for negative numbers stepping down in 9s



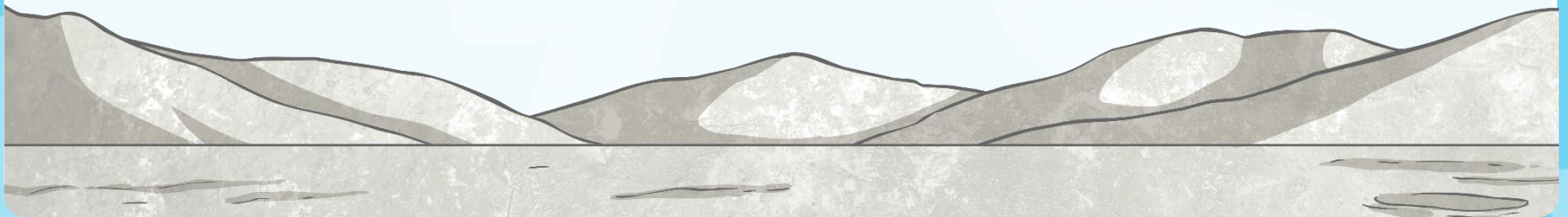
25





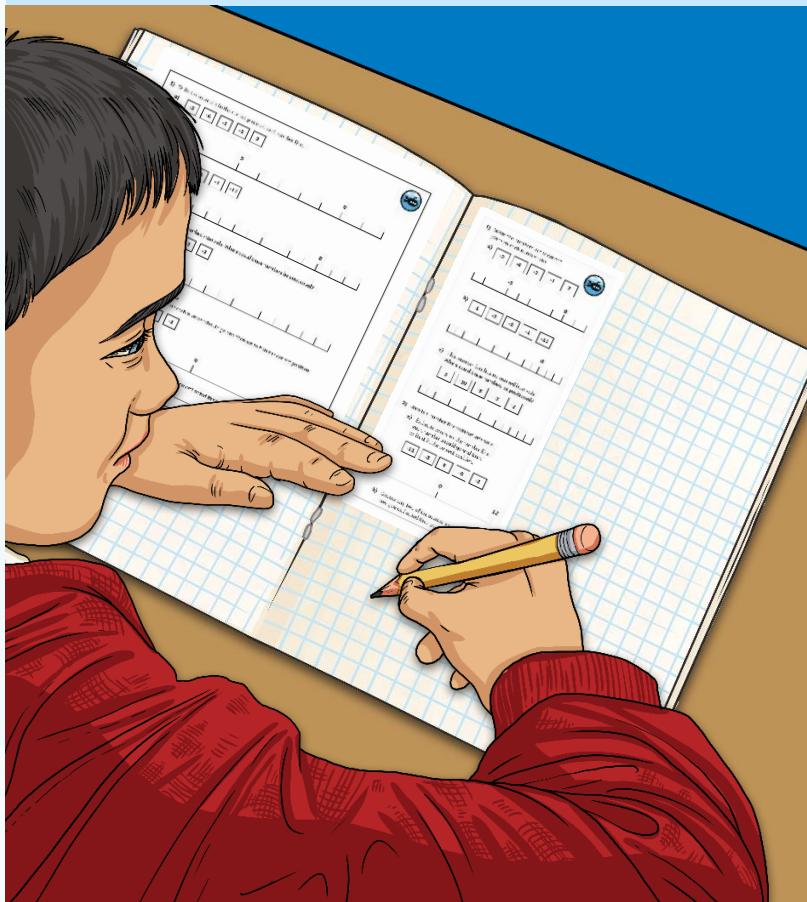


Maths | Year 5 | Number and Place Value | Negative Numbers | Lesson 2 of 3: Ordering Negatives



Diving into Mastery

Dive in by completing your own activity!



1) Write the numbers in the correct place on each number line.

a) -2 -6 -3 -1 2



b) 1 -7 -5 -1 -11



c) This number line has no marked intervals. Where could these numbers be positioned?

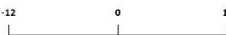
3 -10 -8 -3 -2



2) Here is a number line without intervals.

a) Estimate where on the number line each number should go and then write it in the correct position.

-11 -3 9 -6 -2



b) Choose any two of the numbers and explain how you estimated their position.

1) Write the numbers in the correct place on each number line.

a) -2 -6 -3 -1 2



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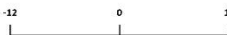
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-11 -3 9 -6 -2



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Tricky Temperatures



This alien recorded the temperature on their home planet at the same time every day for a week.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature	-13°C	-4°C	2°C	-10°C	-5°C	1°C	-19°C

Which was the coldest day?

Which was the warmest day?



Tricky Temperatures



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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature	-13°C	-4°C	2°C	-10°C	-5°C	1°C	-19°C

Which was the coldest day?

Sunday was the coldest day with a temperature of -19°C.

Which was the warmest day?

Wednesday was the warmest day with a temperature of 2°C.



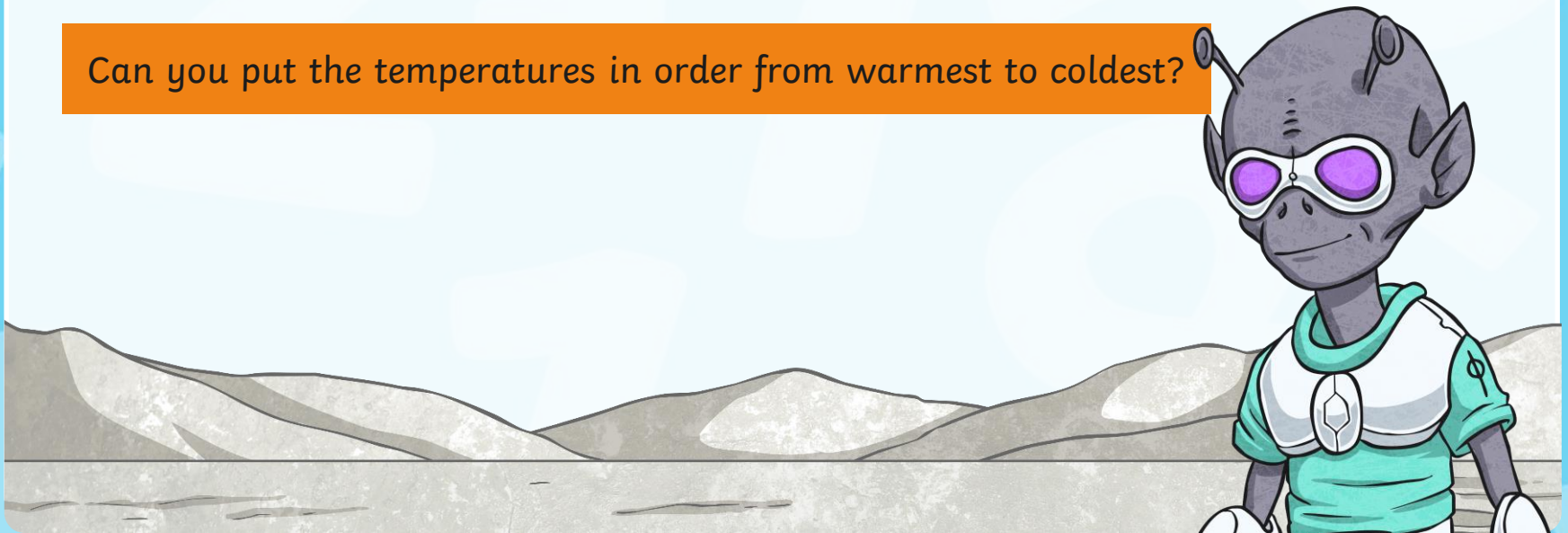
Tricky Temperatures



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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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Can you put the temperatures in order from warmest to coldest?



Tricky Temperatures

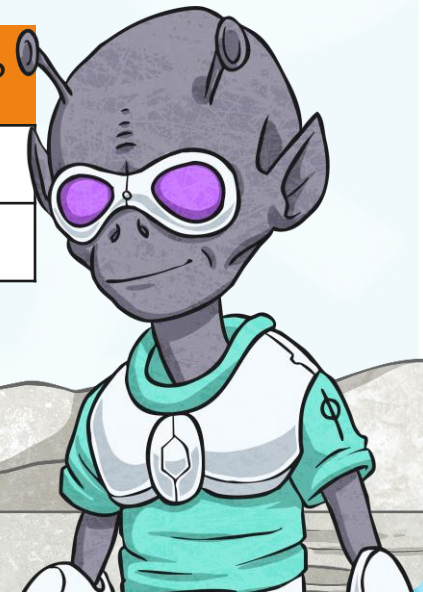


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Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature	-13°C	-4°C	2°C	-10°C	-5°C	1°C	-19°C

Can you put the temperatures in order from warmest to coldest?

Wednesday	Saturday	Tuesday	Friday	Thursday	Monday	Sunday
2°C	1°C	-4°C	-5°C	-10°C	-13°C	-19°C



Aim



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Success Criteria

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