

Lesson 9 – Order Numbers

NC Objective:
Count to and across 20, forwards and backwards, from any given number
Use the language of: equal to, more than, less than (fewer), most, least

Resources needed:
Differentiated Sheets
Teaching Slides
Concrete equipment

Vocabulary:
Order, tens, ones, most, least, greatest, smallest, compare, strategy

Children now order abstract digits from 0 to 20. Encourage children to visualise the numbers by using concrete materials or drawing them pictorially to help them order the numbers.

Children need to apply their knowledge of tens and ones to help them work within the abstract. For example, when comparing 7 and 16 only the number 16 has a ten, therefore it must be greater.

Key Questions:

How have you been asked to order the numbers? Which is the greatest? How do you know? Which is the smallest? How do you know? Is it easier to order groups of objects or numbers? Why? If you have numbers, can you still use objects? Does this help? Why? What was your strategy for comparing numbers? Could you order the numbers in the opposite way? Does any number stay in the same place when we do this? Why?

★ Working Towards

Order the numbers from **greatest to the least**

12 19 14 20 6 17

Greatest → Least

Order the numbers from **the least to the greatest**

7 2 18 16 0 15

Smallest → Least

Match 1 Circle the person with the most goals. Tick the person with the least goals.

Ben 9 goals
Kat 17 goals
Sam 11 goals

Match 2 Circle the person with the most goals. Tick the person with the least goals.

Kat 16 goals
Sam 6 goals
Ben 13 goals

★★ Working Within

Order the numbers from **greatest to the least**

12 19 14 20 6 17

Greatest → Least

Order the numbers from **the least to the greatest**

7 2 18 16 0 15

Smallest → Least

Match 1 The winner is the person who scored the most goals. Write the order of who came first, second and third.

Ben 9 goals
Kat 17 goals
Sam 11 goals

Match 2

Kat 16 goals
Sam 6 goals
Ben 13 goals

★★★ Greater Depth

Order the numbers from **greatest to the least**

12 8 19 4 10 14 3 9 0 20 5 17

Greatest → Least

Order the numbers from **the least to the greatest**

16 15 2 9 18 17 8 1 13 19 12 16

Smallest → Least

Match 1 The winner is the person who scored the most goals. The referee played two matches. Add the goals up and write the order of who came first, second and third.

Ben 9 goals
Kat 17 goals
Sam 11 goals

Match 2

Kat 16 goals
Sam 6 goals
Ben 13 goals

On this sheet, they have pictorial images to help if they still are securing the knowledge of ordering abstract numbers.

On this sheet, they also order numbers using real life scenarios using the words 'first', 'second' and 'third'.

On this sheet, they order 6 numbers and order numbers using real life scenarios. They have to calculate 2 sets of numbers to be able to order the goals scored.

Reasoning & Problem Solving

Eden is the winner of the game.

Eden 10 goals
Liam 3 goals
Ben 5 goals
Mia 2 goals

How many points could Eden have scored? Explain your answer.

Order the goals from least to most

1 got 13 points. 1 got 9 points.

Zach came second in the game.

Zach 10 goals
Liam 3 goals
Ben 5 goals
Mia 2 goals

How many points could Zach have scored? Explain your answer.

What could the order of goals look like from least to most goals?

1 got 13 points. 1 got 9 points.

The winner is the person who has the most points.




Eden 10 goals
Liam 3 goals
Ben 5 goals
Mia 2 goals

How many points could Eden have scored? Explain your answer.




What could the order of goals look like from least to most goals?

1 got 13 points. 1 got 9 points.

Order the numbers from greatest to the least.




 12
  19
  14

Greatest
Least




 20
  6
  17

Greatest
Least

Order the numbers from the least to the greatest.

 7
  2
  18

Smallest
Greatest

 16
  0
  15

Smallest
Greatest

Match 1

Circle the person with the most goals. Tick the person with the least goals.















Match 2

Circle the person with the most goals. Tick the person with the least goals.














Order the numbers from greatest to the least.

 12  19  14
  
Greatest → Least

 20  6  17
  
Greatest → Least



Order the numbers from the least to the greatest.

 7  2  18
  
Smallest → Greatest

 16 0  15
  
Smallest → Greatest

Match 1

Circle the person with the most goals. Tick the person with the least goals.

 ✓
 9 goals



 17 goals



 11 goals


Match 2

Circle the person with the most goals. Tick the person with the least goals.



 16 goals



 ✓
 6 goals




 13 goals



Order the numbers from greatest to the least.

12	19	14
<input type="text"/>	<input type="text"/>	<input type="text"/>
		
<u>Greatest</u>		<u>Least</u>

20	6	17
<input type="text"/>	<input type="text"/>	<input type="text"/>
		
<u>Greatest</u>		<u>Least</u>

Order the numbers from the least to the greatest.

7	2	18
<input type="text"/>	<input type="text"/>	<input type="text"/>
		
<u>Smallest</u>		<u>Greatest</u>

16	0	15
<input type="text"/>	<input type="text"/>	<input type="text"/>
		
<u>Smallest</u>		<u>Greatest</u>

Match 1

The winner is the person who scored the most goals.
Write the order of who came first, second and third.



Ben

9 goals



Kat

17 goals



Sam

11 goals

1st _____

2nd _____

3rd _____

Match 2



Kat

6 goals



Sam

13 goals



Ben

16 goals

1st _____

2nd _____

3rd _____

Order the numbers from greatest to the least.

12	19	14
19	14	12
<p><u>Greatest</u> → <u>Least</u></p>		

20	6	17
20	17	6
<p><u>Greatest</u> → <u>Least</u></p>		

Order the numbers from the least to the greatest.

7	2	18
2	7	18
<p><u>Smallest</u> → <u>Greatest</u></p>		

16	0	15
0	15	16
<p><u>Smallest</u> → <u>Greatest</u></p>		

Match 1

The winner is the person who scored the most goals.
Write the order of who came first, second and third.



Ben

9 goals



Kat

17 goals



Sam

11 goals

1 st	<u>Kat</u>
2 nd	<u>Sam</u>
3 rd	<u>Ben</u>

Match 2



Kat

6 goals



Sam

13 goals



Ben

16 goals

1 st	<u>Ben</u>
2 nd	<u>Sam</u>
3 rd	<u>Kat</u>

Order the numbers from greatest to the least.

12 8 19 4 10 14

Greatest

Least

3 9 0 20 5 17

Greatest

Least

Order the numbers from the least to the greatest.

16 15 2 9 18 17

Smallest

Greatest

8 1 13 19 12 16

Smallest

Greatest

The winner is the person who scored the most goals. The children played two matches.
Add the goals up and write the order of who came first, second and third.

Match 1



Ben

2 goals



Kat

14 goals



Sam

11 goals

1st _____

2nd _____

3rd _____

Match 2



Kat

5 goals



Sam

2 goals



Ben

16 goals

Order the numbers from greatest to the least.

12 8 19 4 10 14

19 14 12 10 8 4

Greatest

Least

3 9 0 20 5 17

20 17 9 5 3 0

Greatest

Least

Order the numbers from the least to the greatest.

16 15 2 9 18 17

2 9 15 16 17 18

Smallest

Greatest

8 1 13 19 12 16

1 8 12 13 16 19

Smallest

Greatest

The winner is the person who scored the most goals. The children played two matches.
Add the goals up and write the order of who came first, second and third.

Match 1



Ben

2 goals



Kat

14 goals



Sam

11 goals

1st Kat

2nd Ben

3rd Sam

Match 2



Kat

5 goals



Sam

2 goals



Ben

16 goals

Ben = 18

Kat = 19

Sam = 13

Esin is the winner of the game.



Esin



How many points could Esin have scored?
Explain your answer.





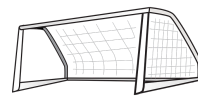
I got 13 points.



I got 9 points.

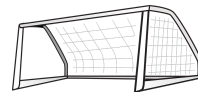


Leanna

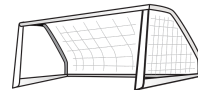


Rosie

I scored 3 goals.



Malachi



Order the goals from least to most.

least

most

Esin is the winner of the game.



Esin



How many points could Esin have scored?
Explain your answer.





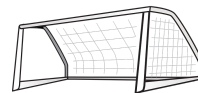
I got 13 points.



I got 9 points.

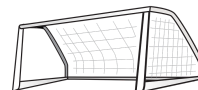


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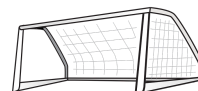


Rosie

I scored 3 goals.



Malachi



Order the goals from least to most.

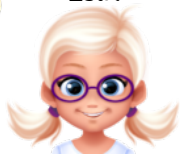
least

most

Esin is the winner of the game.



Esin



How many points could Esin have scored?
Explain your answer.



14 onwards



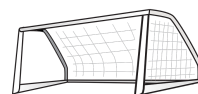
I got 13 points.



I got 9 points.

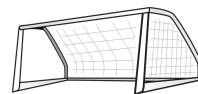


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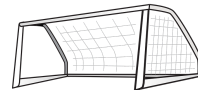


Rosie

I scored 3 goals.



Malachi



Order the goals from least to most.

3

least

8

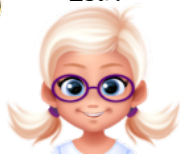
12

most

Esin is the winner of the game.



Esin



How many points could Esin have scored?
Explain your answer.



14 onwards



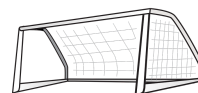
I got 13 points.



I got 9 points.



Leanna

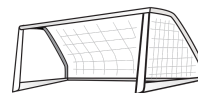


Rosie

I scored 3 goals.



Malachi



Order the goals from least to most.

3

least

8

12

most

Zach came second in the game.



Zach



How many points could Zach have scored?
Explain your answer.



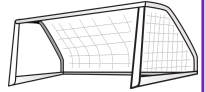
I got 16 points.



I got 3 points.

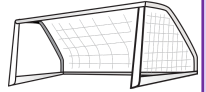


Leanna



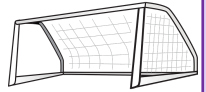
Rosie

I scored 15 goals.



Malachi

I scored the most goals.



What could the order of goals
look like from least to most goals?

least

most

Zach came second in the game.



Zach



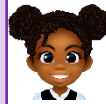
How many points could Zach have scored?
Explain your answer.



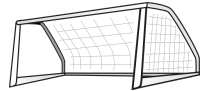
I got 16 points.



I got 3 points.

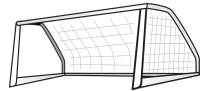


Leanna



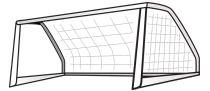
Rosie

I scored 15 goals.



Malachi

I scored the most goals.



What could the order of goals
look like from least to most goals?

least

most

Zach came second in the game.



Zach



How many points could Zach have scored?
Explain your answer.



I got 16 points.



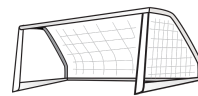
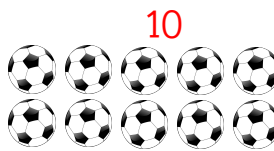
$$15 - 4$$



I got 3 points.

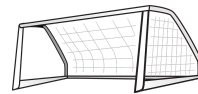


Leanna



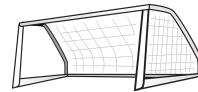
Rosie

I scored 15 goals.



Malachi

I scored the most goals.



What could the order of goals
look like from least to most goals?

least

10

15

16 onwards

most

Zach came second in the game.



Zach



How many points could Zach have scored?
Explain your answer.



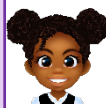
I got 16 points.



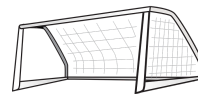
$$15 - 4$$



I got 3 points.

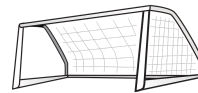


Leanna



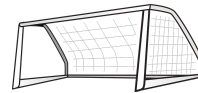
Rosie

I scored 15 goals.



Malachi

I scored the most goals.



What could the order of goals
look like from least to most goals?

least

10

15

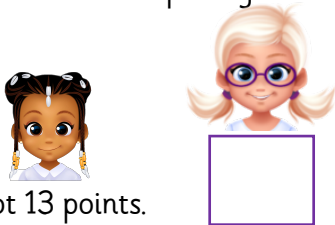
16 onwards

most

The winner is the person who has the most points.



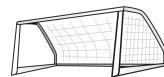
How many points could Esin have scored?
Explain your answer.



I got 13 points.



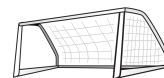
I got 9 points.



Leanna



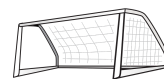
I scored seventeen goals.



Rosie



I scored more goals than
Leanna but less goals than Rosie.



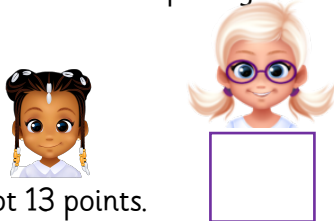
Malachi

What could the order of goals
look like from least to most goals?

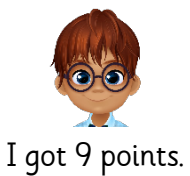
The winner is the person who has the most points.



How many points could Esin have scored?
Explain your answer.



I got 13 points.



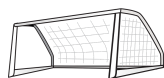
I got 9 points.



Leanna



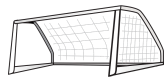
I scored seventeen goals.



Rosie



I scored more goals than
Leanna but less goals than Rosie.



Malachi

What could the order of goals
look like from least to most goals?

The winner is the person who has the most points.



How many points could Esin have scored?
Explain your answer.



I got 13 points.

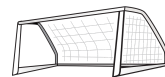
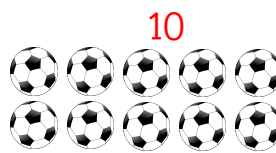
10, 11
or 12



I got 9 points.



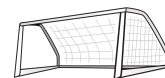
Leanna



Rosie

17

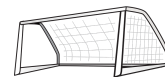
I scored seventeen goals.



Malachi

11 - 16

I scored more goals than
Leanna but less goals than Rosie.



What could the order of goals
look like from least to most goals?

10

11 - 16

17

The winner is the person who has the most points.



How many points could Esin have scored?
Explain your answer.



I got 13 points.

10, 11
or 12



I got 9 points.



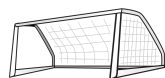
Leanna



Rosie

17

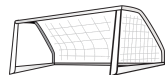
I scored seventeen goals.



Malachi

11 - 16

I scored more goals than
Leanna but less goals than Rosie.



What could the order of goals
look like from least to most goals?

10

11 - 16

17