Discussion Problems
Step 10: Ordering Numbers

National Curriculum Objectives:

Mathematics Year 4: (4N2a) Order and compare numbers beyond 1,000

About this resource:

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

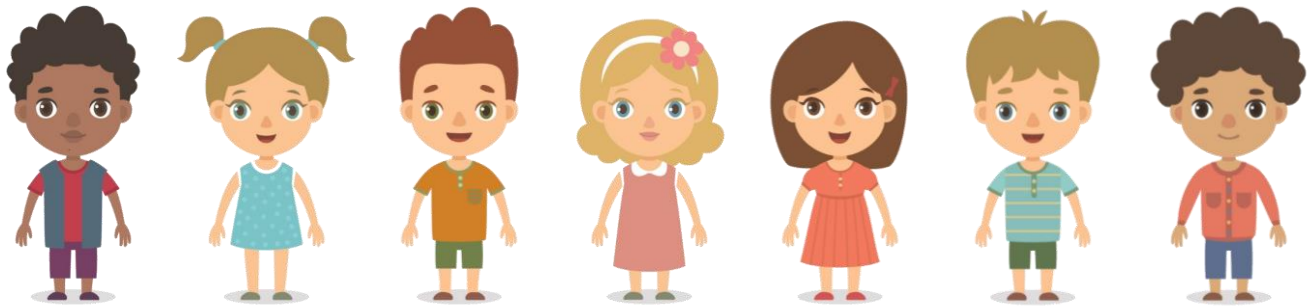
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More Year 4 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

Ordering Numbers

1. Each child has selected a number card. Order the numbers and clues below in ascending order.



Bilal	Sarah	Bob	Emma	Kerry	Matt	Phil
5,521	1,735	1,686	I will stand next to Matt. My number is > 5,500	4,506	5,292	I will stand in between Sarah and Bob.

What number could be on Emma and Phil's card? Explore the possibilities.

DP

2. Use the digit cards to create 4-digit numbers for A and B to complete the sequence. Explore various possibilities.

9,384; 8,102; **A**; 5,999; **B**; 1,550

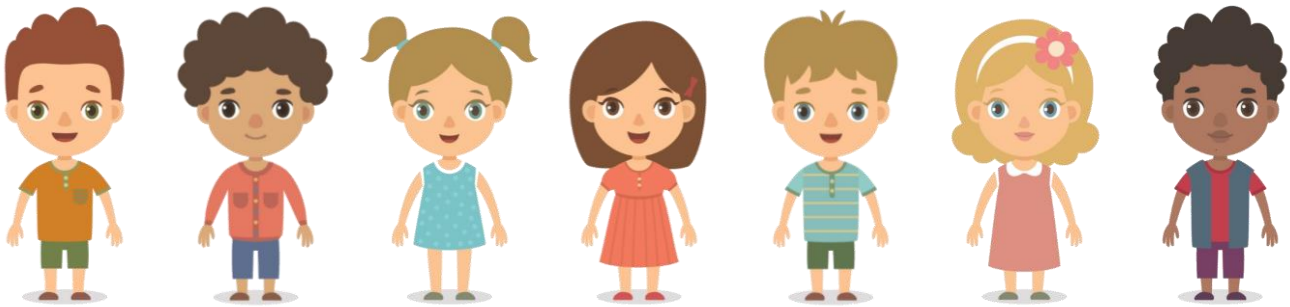
4	7	6	2

DP

Ordering Numbers

1. Each child has selected a number card. Order the numbers and clues below in ascending order.

Various answers, for example:



Bob	Phil	Sarah	Kerry	Matt	Emma	Bilal
1,686	1,690	1,735	4,506	5,292	5,502	5,521

What number could be on Emma and Phil's card? Explore the possibilities.
Accept any answer where the cards have been ordered correctly.

DP

2. Use the digit cards to create 4-digit numbers for A and B to complete the sequence. Explore various possibilities.

Various answers, for example:

9,384; 8,102; 7,624; 5,999; 4,267; 1,550

4	7	6	2

DP