

Discussion Problems

Step 9: Compare 4-digit Numbers

National Curriculum Objectives:

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

Mathematics Year 4: (4N6) [Solve number and practical problems that involve 4N1 - 4N5 and with increasingly large positive numbers](#)

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.

Compare 4-digit Numbers

1. Rebekah is completing the statement using the flash cards below.

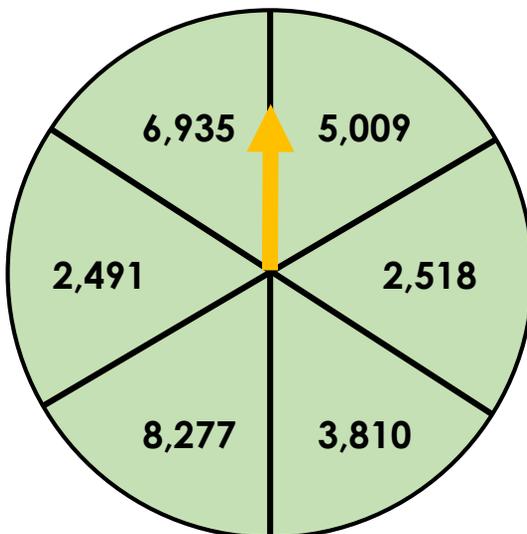


<p>A.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> <p>6 thousand, 15 hundreds, 9 tens and 36 ones</p> </div>	<p>B.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> </div>	<p>C.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> </div>	<p>D.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> </div>	<p>E.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> </div>	<p>F.</p> <div style="border: 1px solid orange; border-radius: 15px; padding: 10px; width: 100%;"> <p>7 thousand, 12 hundreds, 8 tens and 54 ones</p> </div>
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Investigate six possible statements she could make.

DP

2. Kate, Grace, Mike, Juliana and Brandon are all playing Spin the Wheel.



Kate lands on 8,277, Grace lands on 5,009 and Mike lands on 2,491.

Juliana lands on a number that is greater than Mike's, but less than Grace's. Brandon lands on a number that is less than Kate's, but greater than Grace's. What numbers do Juliana and Brandon land on?

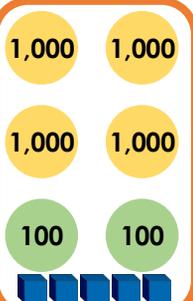
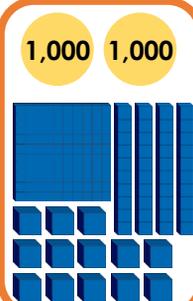
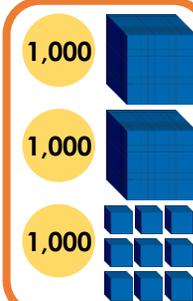
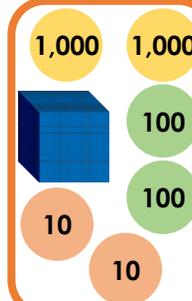
Use $<$ and $>$ to compare the numbers.

DP

Compare 4-digit Numbers

1. Rebekah is completing the statement using the flash cards below.



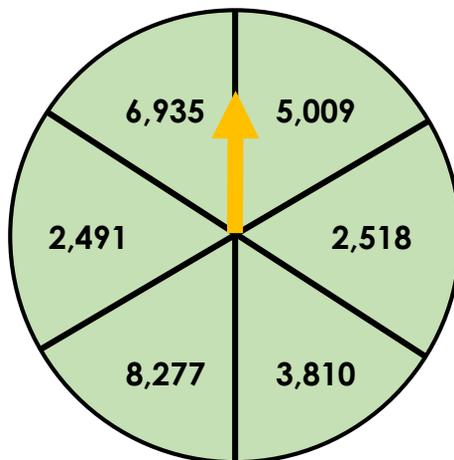
A.	B.	C.	D.	E.	F.
6 thousand, 15 hundreds, 9 tens and 36 ones					7 thousand, 12 hundreds, 8 tens and 54 ones

Investigate six possible statements she could make.

Various answers, for example: 2,153 (C) < 4,205 (B) < 8,334 (F)

DP

2. Kate, Grace, Mike, Juliana and Brandon are all playing Spin the Wheel.



Kate lands on 8,277, Grace lands on 5,009 and Mike lands on 2,491.

Juliana lands on a number that is greater than Mike's, but less than Grace's. Brandon lands on a number that is less than Kate's, but greater than Grace's. What numbers do Juliana and Brandon land on? **Juliana: 2,518 or 3810, Brandon: 6,935**

Use < and > to compare the numbers.

Various answers, for example: 2,491 < 5,009 < 8,277

DP