

Luna's Space Adventure

Grade 3 · Number lines to 10,000 · MA.3.NSO.1.3

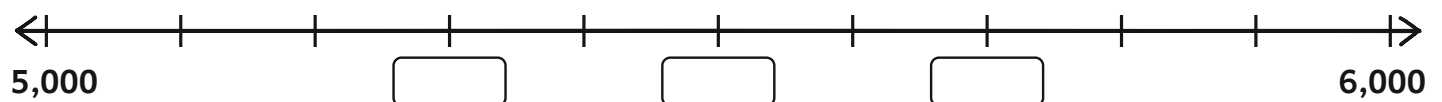
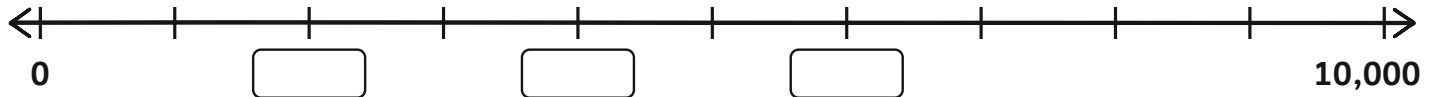
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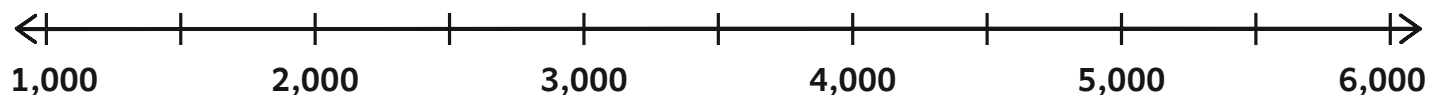
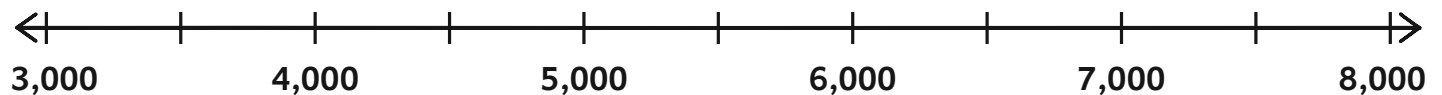


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

What goes in each box? Count the jumps between the numbers you know.



Mark the numbers Put a dot for each: 3,200, 5,600, 7,900, 1,800, 3,200, 5,600.



Closer to which? Picture the number line. Circle the closer number.

Is 900 closer to 0 or 1,000?	0	1,000	Is 1,200 closer to 1,000 or 2,000?	1,000	2,000
Is 2,400 closer to 2,000 or 3,000?	2,000	3,000	Is 5,300 closer to 5,000 or 6,000?	5,000	6,000

Put them in order Least to greatest, then greatest to least.

2,230 · 1,910 · 1,590 · 1,470

5,820 · 6,640 · 6,720 · 5,020



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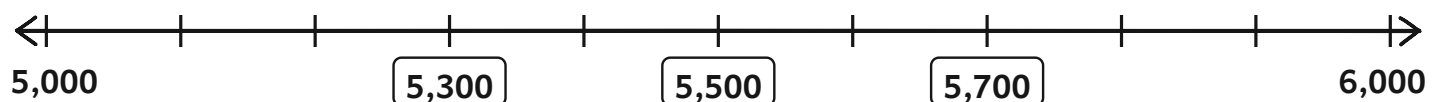
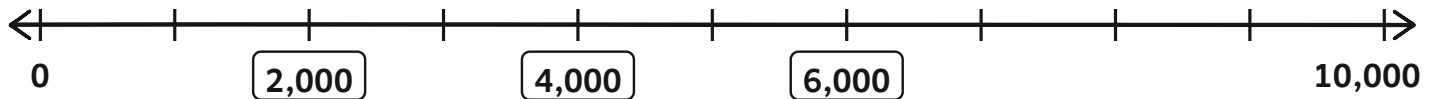
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ANSWER KEY

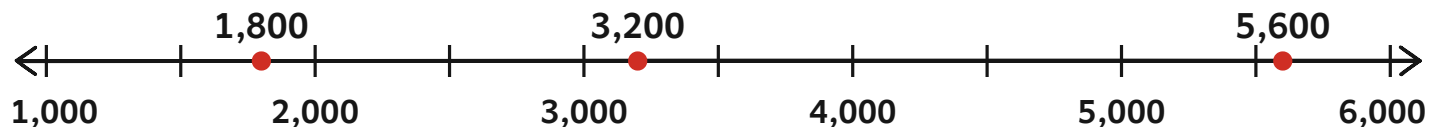
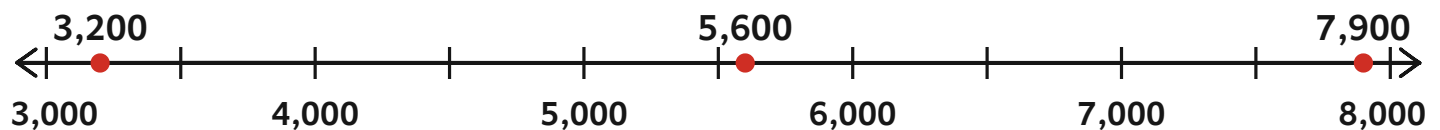


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2,230 · 1,910 · 1,590 · 1,470

$1,470 < 1,590 < 1,910 < 2,230$

5,820 · 6,640 · 6,720 · 5,020

$6,720 > 6,640 > 5,820 > 5,020$



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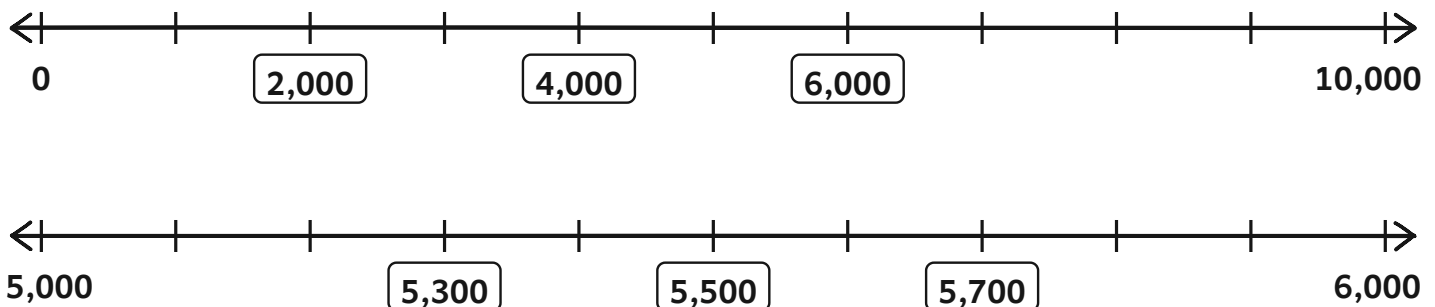
GUIDE

1 What this sheet practises

Reading, placing and ordering numbers up to 10,000 on a number line, and telling which thousand a number is closer to.

2 A problem from the sheet, worked out

What goes in each box? Count the jumps between the numbers you know.



How: Find the size of each jump first: count the jumps between two numbers you know. Then count on from the nearest labelled number: halfway from 4,000 to 5,000 is 4,500.

3 Words to know

number line numbers in order, evenly spaced along a line

tick a small mark for a number on the line

between after one number and before the next

closer to fewer steps away

4 Watch for

- Counting the ticks instead of the jumps between them.
- Assuming each jump is 1 when the line counts by more.
- Ordering by the first digit only when the numbers have different lengths.

5 Where it fits

BEFORE

2.NBT.A.4

Compare three-digit numbers using $>$, $=$ and $<$.

THIS SHEET

MA.3.NSO.1.3

Place, order and compare numbers to 10,000 on a number line and with $>$, $=$ and $<$.

NEXT

4.NBT.A.2

Read, write and compare multi-digit numbers.

6 Helping at home

Draw a line from 0 to a big round number on paper, and take turns marking where a number goes. Check by counting the jumps.

