

Luna's Space Adventure

Name _____

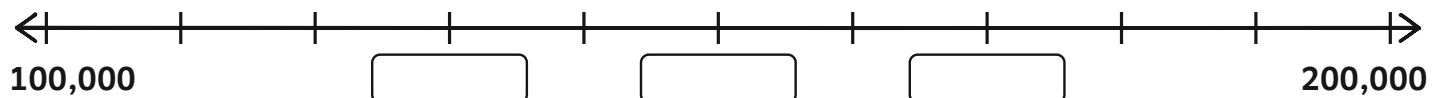
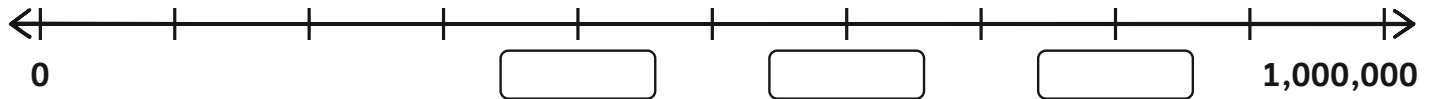
Grade 4 · Number lines to a million · MA.4.NSO.1.3

Date _____



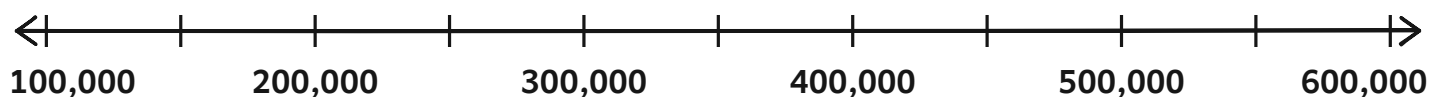
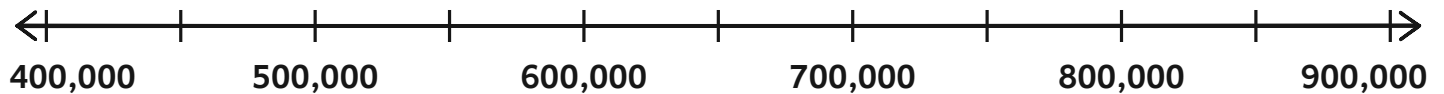
Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

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



Mark the numbers

Put a dot for each: 510,000, 690,000, 890,000, 110,000, 460,000, 570,000.



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

Is 110,000 closer to 100,000 or 200,000?

100,000

200,000

Is 440,000 closer to 400,000 or 500,000?

400,000

500,000

Is 690,000 closer to 600,000 or 700,000?

600,000

700,000

Is 990,000 closer to 900,000 or 1,000,000?

900,000

1,000,000

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

383,000 · 283,000 · 286,000 · 359,000

898,000 · 710,000 · 787,000 · 706,000



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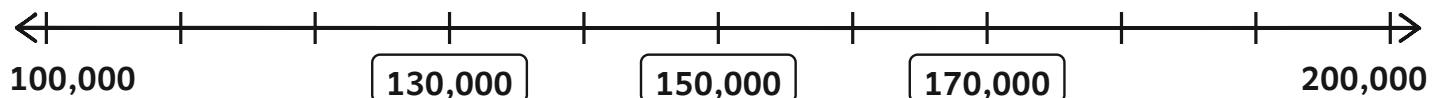
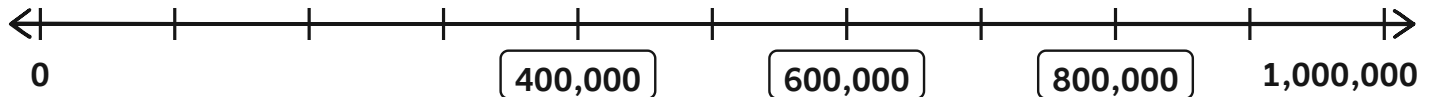
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ANSWER KEY



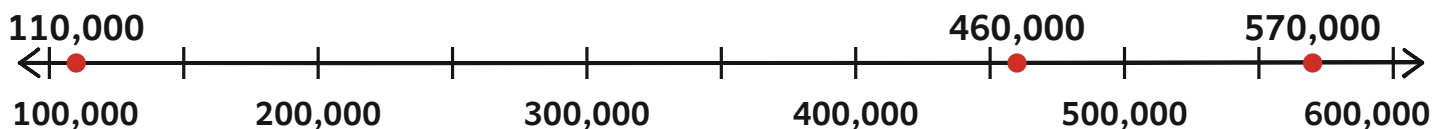
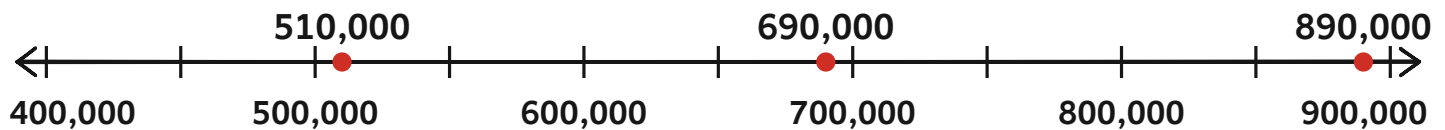
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Is 990,000 closer to 900,000 or 1,000,000? 900,000 **1,000,000**

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383,000 · 283,000 · 286,000 · 359,000

$283,000 < 286,000 < 359,000 < 383,000$

898,000 · 710,000 · 787,000 · 706,000

$898,000 > 787,000 > 710,000 > 706,000$



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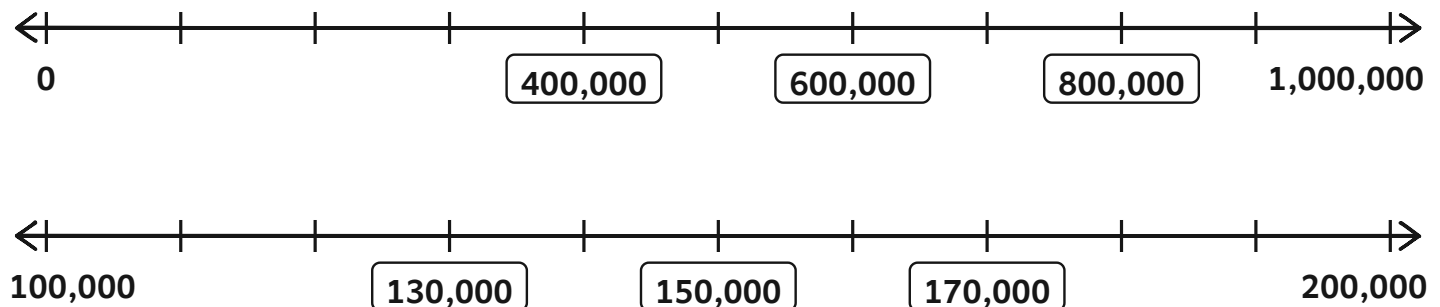
GUIDE

① What this sheet practises

Reading, placing and ordering numbers up to 1,000,000 on a number line, and telling which hundred 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 300,000 to 400,000 is 350,000.

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

4.NBT.A.2

Read, write and compare multi-digit numbers.

THIS SHEET

MA.4.NSO.1.3

Place, order and compare numbers to 1,000,000 on a number line and with $>$, $=$ and $<$.

NEXT

5.NBT.A.1

Understand that each place is ten times the place to its right and a tenth of the one to its left.

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.

