

Luna's Space Adventure

Name _____

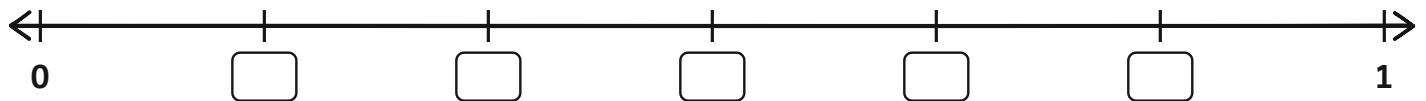
Grade 3 · Fractions on a number line · 3.NF.A.2

Date _____

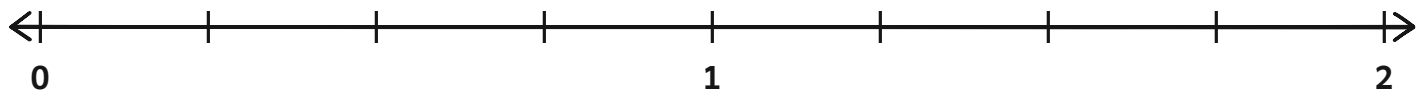


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Label the ticks Each space is the same size. Write the fractions.



Place them Mark $\frac{2}{4}$ and $\frac{3}{4}$.



Which is further along? The one further right on the line is bigger.

$$\frac{5}{3} \bigcirc \frac{4}{3}$$

$$\frac{1}{6} \bigcirc \frac{2}{6}$$

$$\frac{1}{4} \bigcirc \frac{3}{4}$$

$$\frac{9}{8} \bigcirc \frac{4}{8}$$

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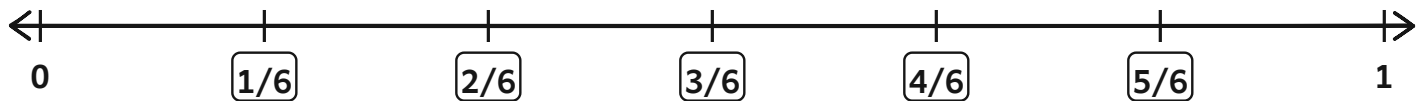
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ANSWER KEY

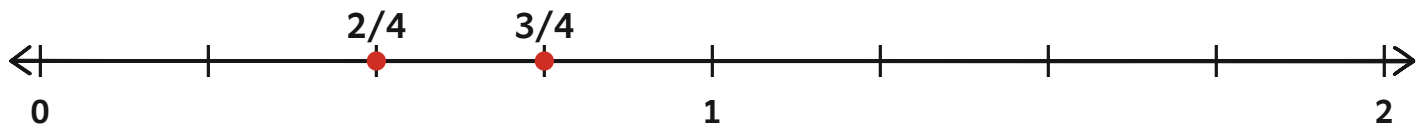


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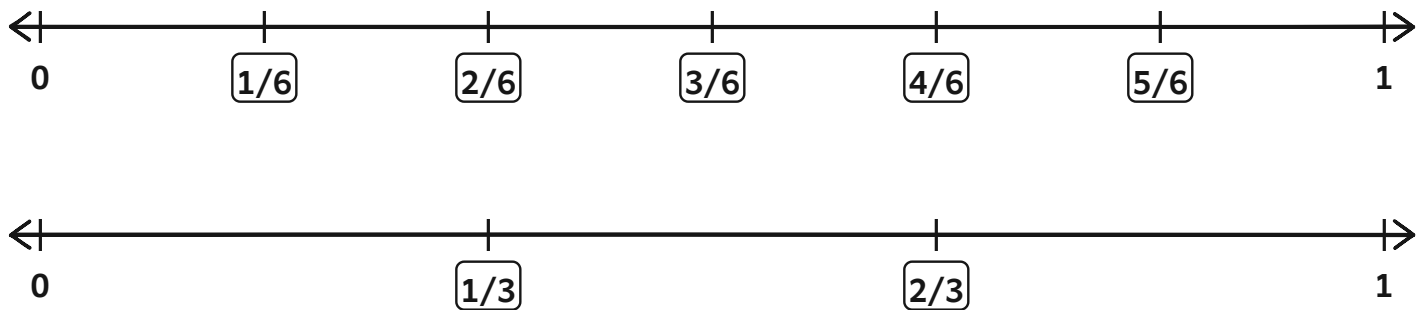
GUIDE

① What this sheet practises

Fractions as numbers on a number line: the space from 0 to 1 split into equal parts.

② A problem from the sheet, worked out

Label the ticks Each space is the same size. Write the fractions.



How: The bottom number tells how many equal spaces run from 0 to 1. Count jumps from 0 to name each tick: one jump is $\frac{1}{3}$, two jumps is $\frac{2}{3}$.

③ Words to know

number line a line with numbers at equal spaces

tick a small mark on the line

interval the space between two ticks

denominator how many equal spaces from 0 to 1

④ Watch for

- Counting the ticks instead of the spaces between them.
- Spaces that aren't equal.
- Starting to count at 1 instead of at 0.

⑤ Where it fits

BEFORE

2.MD.B.6

Show numbers, sums and differences on a number line.

THIS SHEET

3.NF.A.2

Place fractions on a number line.

NEXT

4.NF.A.2

Compare fractions with different numerators and denominators.

⑥ Helping at home

Draw a line from 0 to 1 and mark the middle together: $\frac{1}{2}$. Halve each half to find fourths.