

Luna's Space Adventure

Grade 3 · Scaled graphs · 3.MD.B.3

Name _____

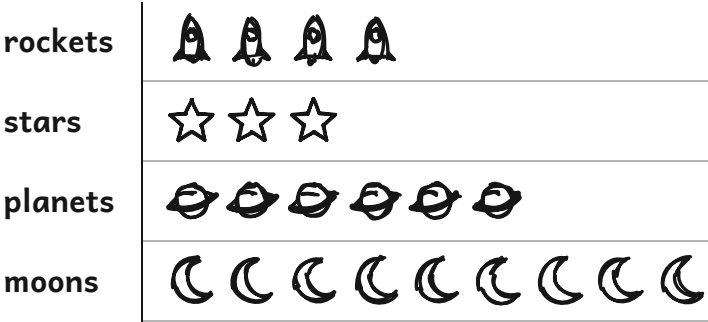
Date _____



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

Picture graph

Each picture stands for 2.



How many rockets? _____

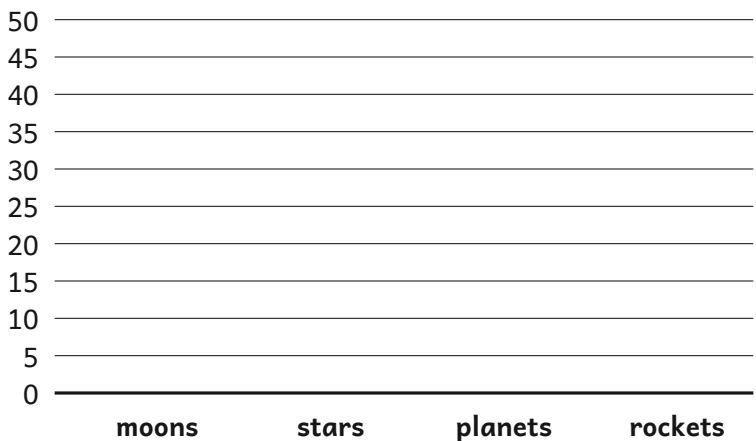
How many more rockets than stars? _____

How many in all? _____

Each picture means 2; half a picture means 1.

Bar graph by fives

Draw the bars: moons 35, stars 15, planets 10, rockets 45.



How many more rockets than planets? _____

How many in all? _____

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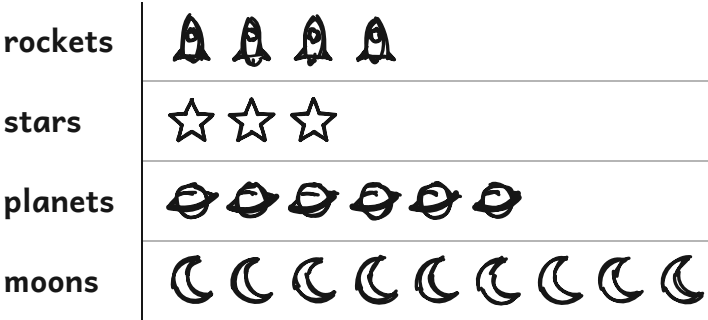
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ANSWER KEY



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

Picture graph Each picture stands for 2.



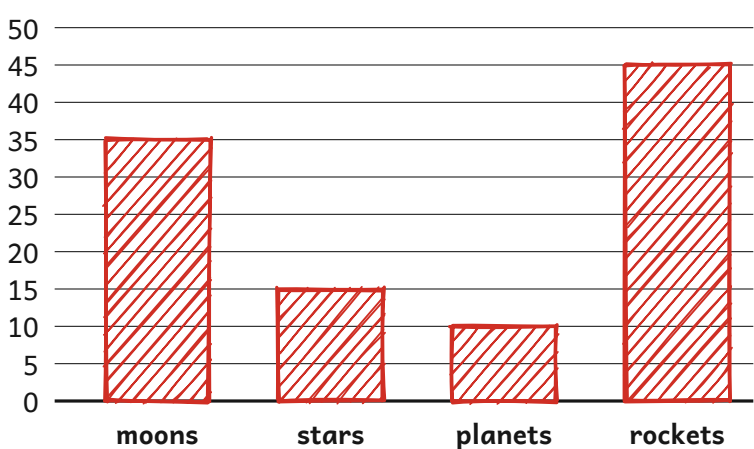
Each picture means 2; half a picture means 1.

How many rockets? 8

How many more rockets than stars? 2

How many in all? 44

Bar graph by fives Draw the bars: moons 35, stars 15, planets 10, rockets 45.



How many more rockets than planets? 35

How many in all? 105

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GUIDE

① What this sheet practises

Reading and drawing picture graphs and bar graphs where each picture or step stands for more than one.

② A problem from the sheet, worked out

Picture graph Each picture stands for 2.

rockets		How many rockets?	<u>8</u>
stars		How many more rockets than stars?	<u>2</u>
planets		How many in all?	<u>44</u>
moons			

Each picture means 2; half a picture means 1.

How: Check the key first. If each picture stands for 2, count the pictures and multiply by 2; half a picture is 1.

③ Words to know

key says what each picture stands for
scale what each step on a bar graph is worth
picture graph a graph drawn with pictures
bar graph a graph drawn with bars

④ Watch for

- Counting each picture as 1 instead of using the key.
- Reading a bar that ends between two lines as the lower number.
- Answering “how many more” with a total.

⑤ Where it fits

BEFORE

2.MD.D.10

Draw picture graphs and bar graphs with up to four categories.

THIS SHEET

3.MD.B.3

Draw scaled picture and bar graphs and answer how-many-more questions.

NEXT

4.MD.B.4

Make line plots with fractional measurements and use them to solve problems.

⑥ Helping at home

Make a graph of something at home, like socks by color, with each picture standing for 2.