



Mathness!

# Line graphs

Grade 4 math · printable worksheet + answer key

## Luna's Space Adventure

Grade 4 · Line graphs · 4.PS.1

Name \_\_\_\_\_

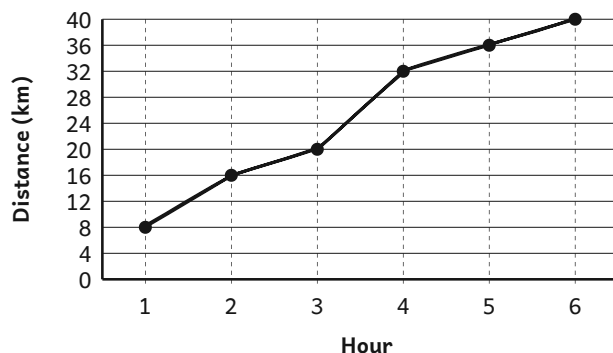
Date \_\_\_\_\_



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

ANSWER KEY

**Read the line graph** A line graph shows how something changes over time.



What was the rover's distance after hour 6?

How much did it change from first to last?

How much did it go up from hour 2 to hour 3?

Biggest change from one reading to the next?

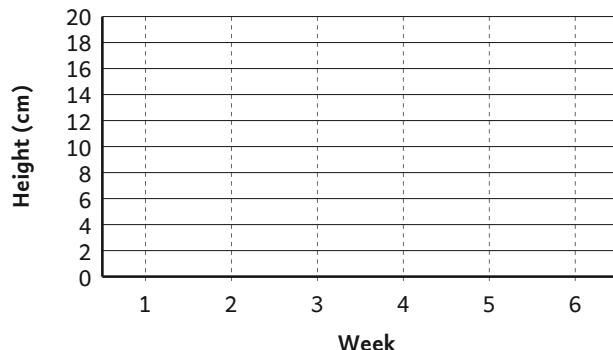
40 km

32 km

4 km

**Finish the line graph** Plot each reading, then join the points in order.

| Week        | 1 | 2 | 3 | 4 | 5  | 6  |
|-------------|---|---|---|---|----|----|
| Height (cm) | 0 | 2 | 4 | 8 | 10 | 12 |



How much did it change from first to last?

How much did it go up from week 5 to week 6?

Biggest change from one reading to the next?

12 km

2 cm

1 cm

1 cm

mathness.app

Line graphs show change over time; bar graphs compare groups.

Free answer key included

A puppy's weight each month

line

bar

Books four friends read

line

bar

Votes for a mascot

line

bar

Temperature every hour

line

bar

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Answer key