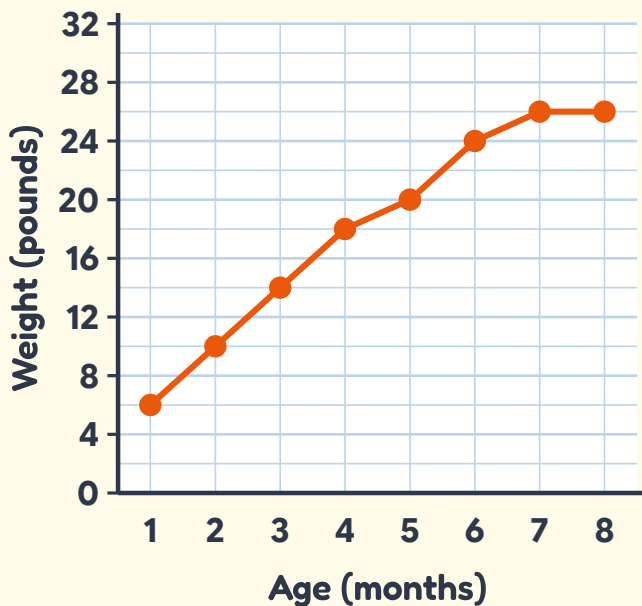


Reading Line Graphs

Read each line graph. Answer the questions.

Use each line graph to answer the questions next to it.

Weight of a Puppy



Example How much did it weigh at 3 months? 14 pounds

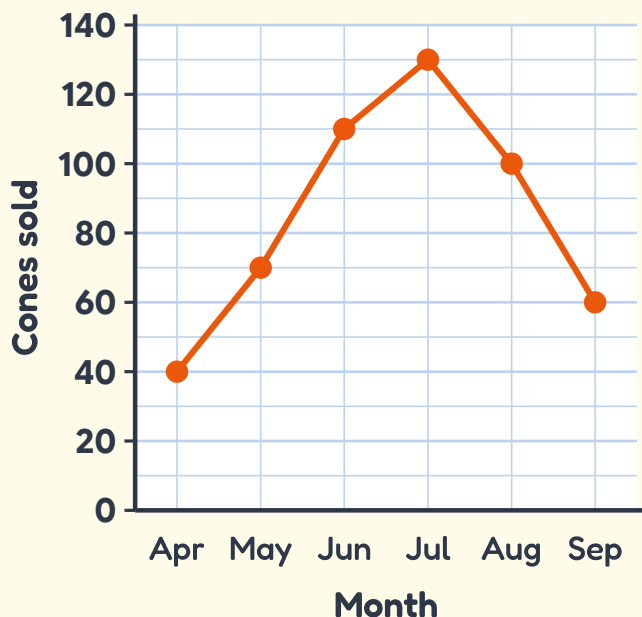
1. How much did it gain from 2 to 5 months? _____ pounds

2. Between which ages did its weight stay the same? _____ months

3. What is the least weight on the graph? _____ pounds

4. Predict: about how much will it weigh at 9 months? _____ pounds

Ice Cream Cones Sold



5. In which month were the most cones sold? _____

6. How many more were sold in June than in April? _____ cones

7. How many were sold in May and June in all? _____ cones

8. Between which months did sales fall the most? _____

9. From April to July, did sales rise or fall?

rise fall

Making a Line Graph

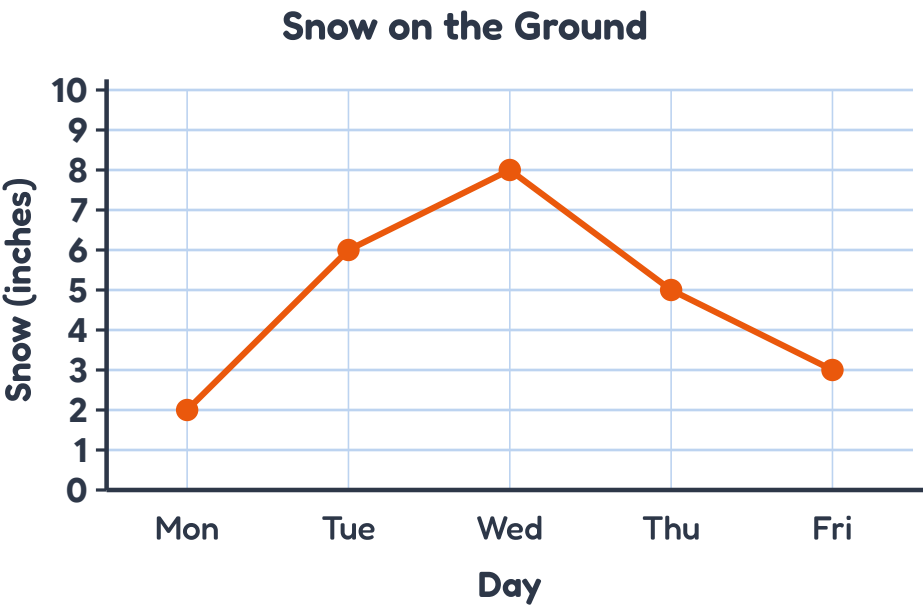
Plot each point from the table. Join the points with lines.

Make a line graph from each table. Each row is one point.

Example

Day	Snow (inches)
Mon	2
Tue	6
Wed	8
Thu	5
Fri	3

Each row is one point:
Mon and 2 is the point
above Mon, across from 2.

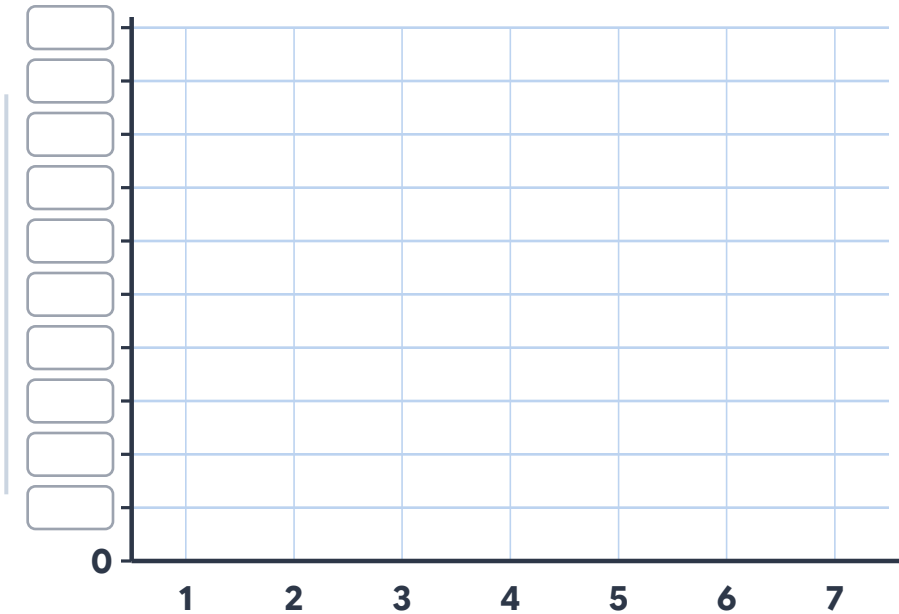


1.

Week	Money (dollars)
1	5
2	15
3	20
4	30
5	30
6	45
7	50

Write a title and a label
for each axis. Number the
scale by 5s. Plot the points
and join them.

Title: _____

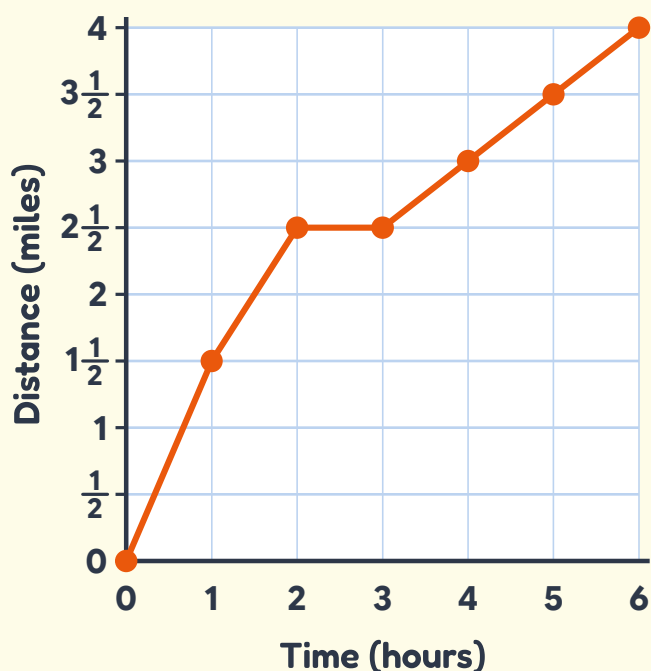


Reading the Scale

Read the scale carefully. Answer the questions and predict.

One scale counts by halves, the other by 0.5. Use them to answer.

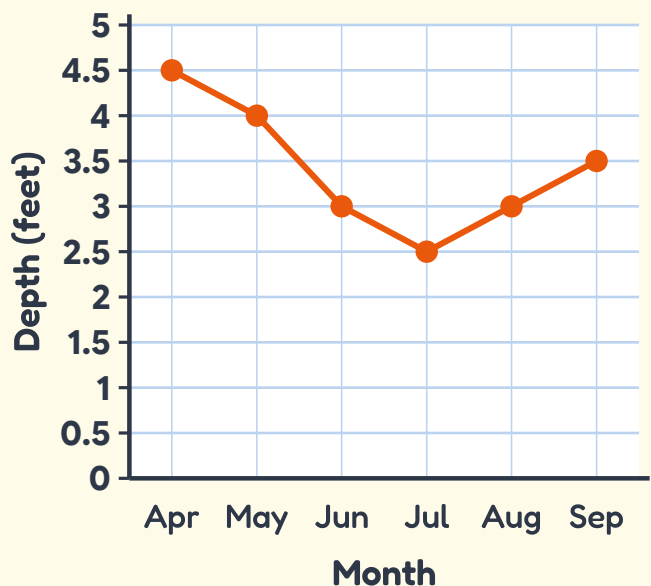
Distance Hiked



Example How far had they hiked after 2 hours? $2\frac{1}{2}$ miles

- During which hour did they stop to rest? _____
- How far did they hike from hour 3 to hour 6? _____ miles
- In which hour did they hike the farthest? _____
- Predict: at the pace of the last hour, how far after 7 hours? _____ miles

Depth of a Pond

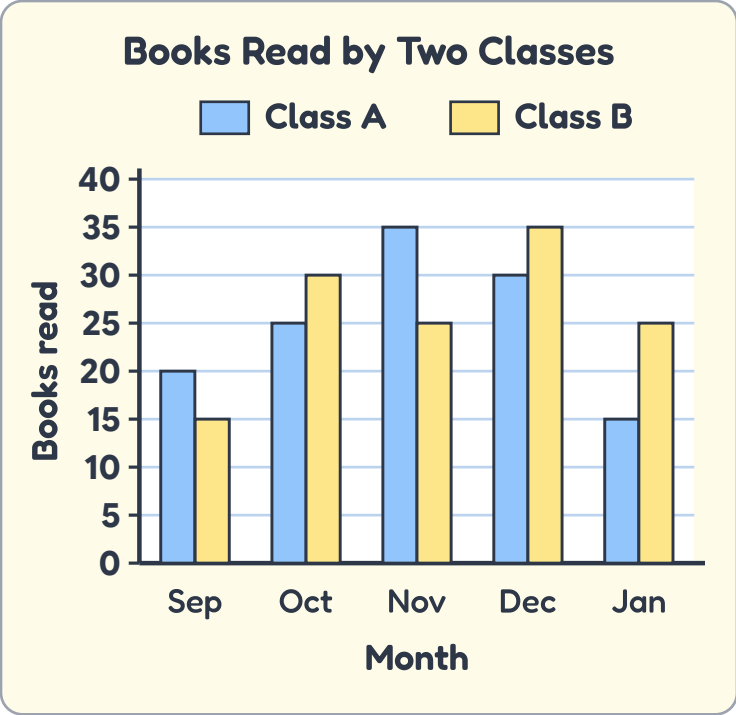


- How deep was the pond in May? _____ feet
- In which month was the pond the shallowest? _____
- How much did the depth drop from April to July? _____ feet
- Between which months did it drop the most? _____
- Predict: if it keeps rising the same way, how deep in October? _____ feet

Double Bar Graphs

Compare two sets of data. Then finish a double bar graph.

Use the double bar graph to answer the questions.



- Example

How many books did Class A read in October? 25
1. In which month did Class B read the most? _____
2. In how many months did Class B read more than Class A? _____
3. How many more books did Class A read than Class B in November? _____
4. Which class read more books in all? _____

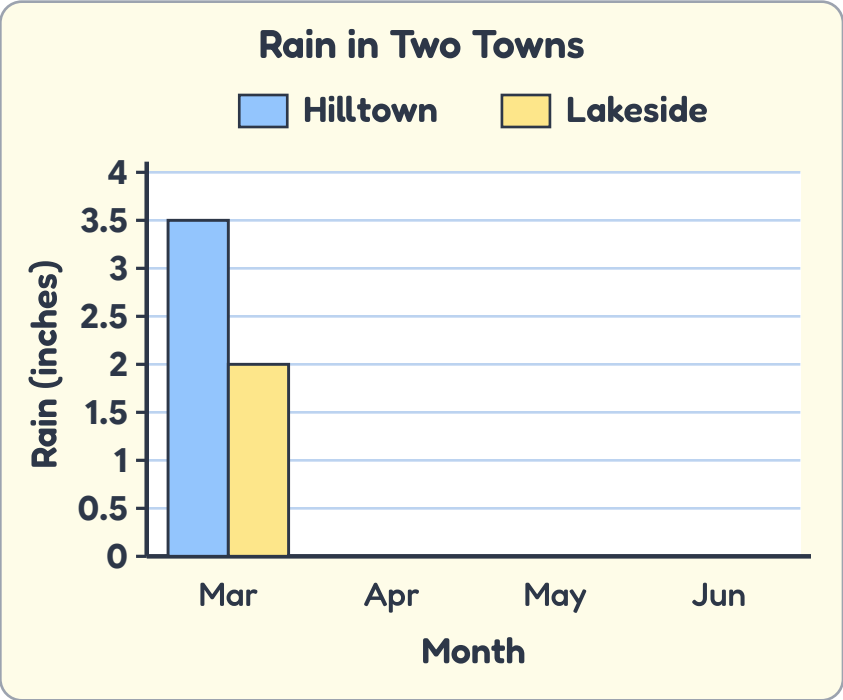
Draw the bars for the rest of the table. Then answer.

Month	Hilltown	Lakeside
Mar	3.5	2
Apr	2.5	3
May	1.5	2.5
Jun	1	0.5

Example

 March is done for you.

5. In April, how much more rain did Lakeside get? _____ inch
6. Which town got more rain in all four months? _____



Asking Questions with Data

Decide which questions need data and how to collect it. Plot pairs.

Does the question need data to be collected? Circle Yes or No.

Example

What is the favorite fruit of the students in our class?

Yes

No

1. How many days are in one week?

Yes

No

2. How many cars drive past our school in 10 minutes?

Yes

No

How would you collect the data? Circle one way.

Question	Way to collect the data			
Example Which sport does our class like best?	Poll	Observe	Measure	Experiment
3. How many birds visit the feeder each hour?	Poll	Observe	Measure	Experiment
4. How tall are the sunflowers in our garden?	Poll	Observe	Measure	Experiment
5. Does a ball bounce higher on grass or sand?	Poll	Observe	Measure	Experiment
6. Your question: _____	Poll	Observe	Measure	Experiment

7. How many data points will you collect for it (30 or fewer)? _____

Plot each pair of data as a point on the scatterplot.

Player	Hours	Free throws
A	1	4
B	2	7
C	3	6
D	3	9
E	4	10
F	5	13
G	7	16

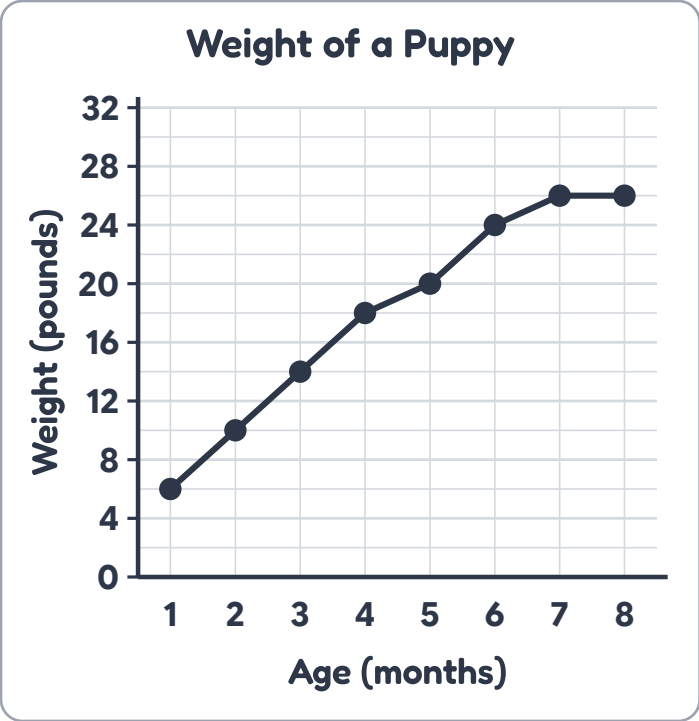
8. As practice time goes up,
the free throws made go:
up down



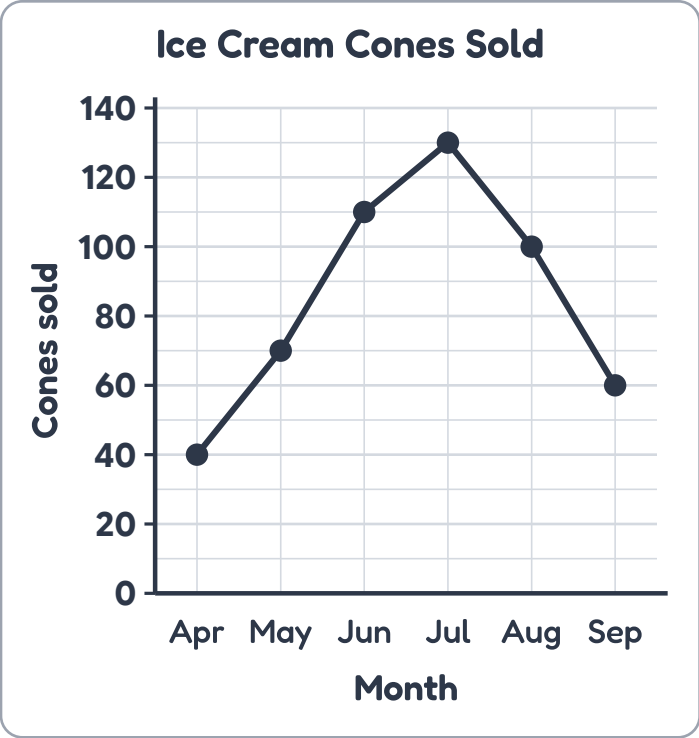
Reading Line Graphs

Read each line graph. Answer the questions.

Use each line graph to answer the questions next to it.



- Example** How much did it weigh at 3 months? 14 pounds
1. How much did it gain from 2 to 5 months? _____ pounds
2. Between which ages did its weight stay the same? _____ months
3. What is the least weight on the graph? _____ pounds
4. Predict: about how much will it weigh at 9 months? _____ pounds



5. In which month were the most cones sold? _____
6. How many more were sold in June than in April? _____ cones
7. How many were sold in May and June in all? _____ cones
8. Between which months did sales fall the most? _____
9. From April to July, did sales rise or fall?
rise fall

Making a Line Graph

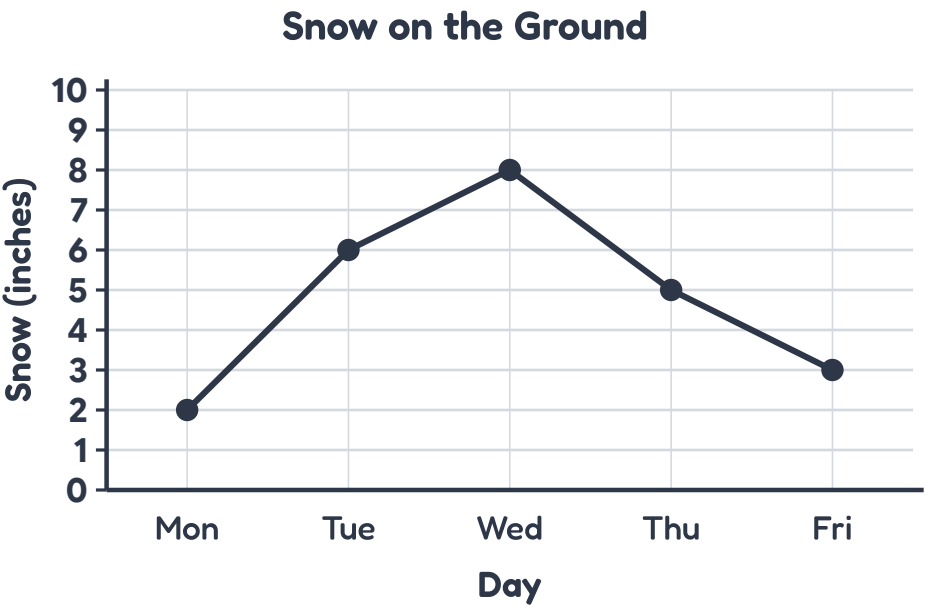
Plot each point from the table. Join the points with lines.

Make a line graph from each table. Each row is one point.

Example

Day	Snow (inches)
Mon	2
Tue	6
Wed	8
Thu	5
Fri	3

Each row is one point:
Mon and 2 is the point
above Mon, across from 2.

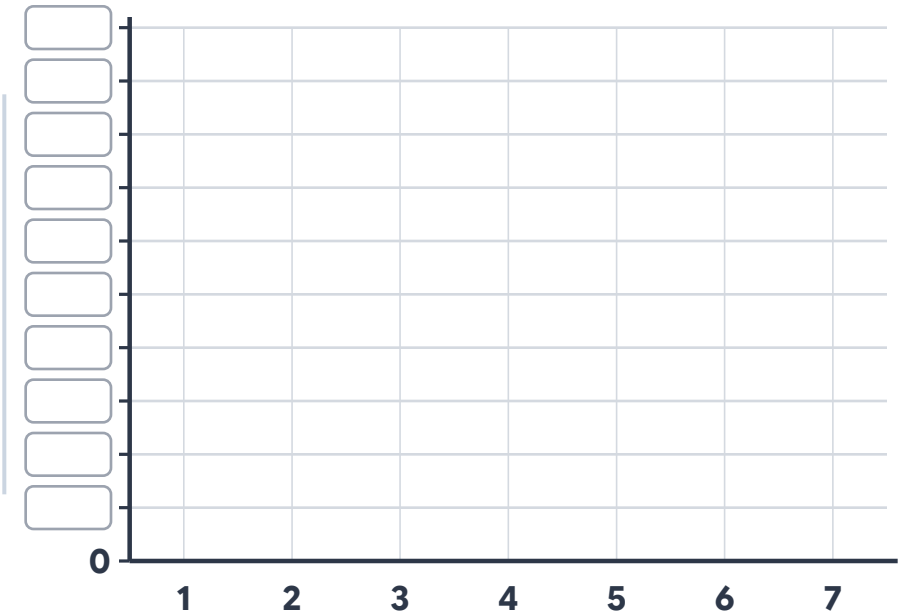


1.

Week	Money (dollars)
1	5
2	15
3	20
4	30
5	30
6	45
7	50

Write a title and a label
for each axis. Number the
scale by 5s. Plot the points
and join them.

Title: _____

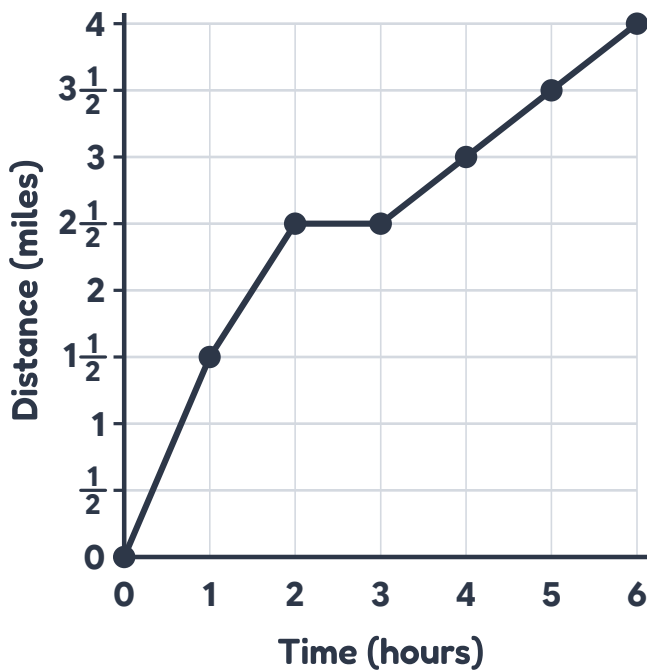


Reading the Scale

Read the scale carefully. Answer the questions and predict.

One scale counts by halves, the other by 0.5. Use them to answer.

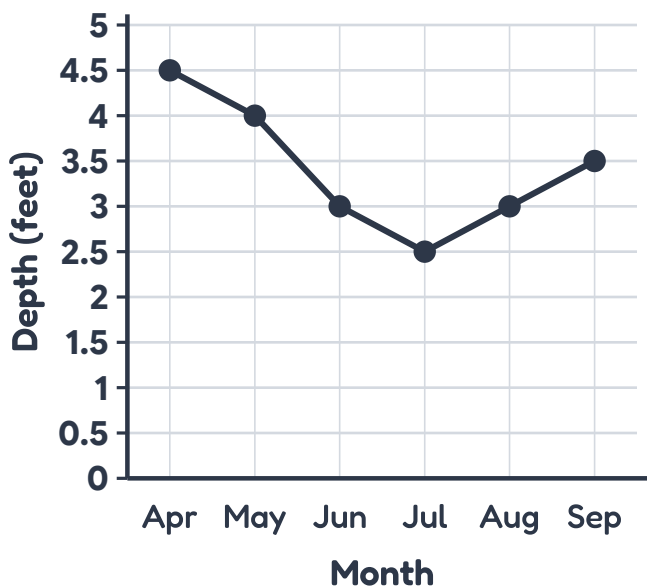
Distance Hiked



Example How far had they hiked after 2 hours? $2\frac{1}{2}$ miles

- During which hour did they stop to rest? _____
- How far did they hike from hour 3 to hour 6? _____ miles
- In which hour did they hike the farthest? _____
- Predict: at the pace of the last hour, how far after 7 hours? _____ miles

Depth of a Pond



- How deep was the pond in May? _____ feet
- In which month was the pond the shallowest? _____
- How much did the depth drop from April to July? _____ feet
- Between which months did it drop the most? _____
- Predict: if it keeps rising the same way, how deep in October? _____ feet

Double Bar Graphs

Compare two sets of data. Then finish a double bar graph.

Use the double bar graph to answer the questions.

Books Read by Two Classes

Class A

Class B

Month	Class A	Class B
Sep	20	15
Oct	25	30
Nov	35	25
Dec	30	35
Jan	15	25

Example

How many books did Class A read in October? 25

1. In which month did Class B read the most? _____

2. In how many months did Class B read more than Class A? _____

3. How many more books did Class A read than Class B in November? _____

4. Which class read more books in all? _____

Draw the bars for the rest of the table. Then answer.

Month	Hilltown	Lakeside
Mar	3.5	2
Apr	2.5	3
May	1.5	2.5
Jun	1	0.5

Example March is done for you.

5. In April, how much more rain did Lakeside get? _____ inch

6. Which town got more rain in all four months? _____

Rain in Two Towns

Hilltown

Lakeside

Month	Hilltown	Lakeside
Mar	3.5	2
Apr	2.5	3
May	1.5	2.5
Jun	1	0.5

Asking Questions with Data

Decide which questions need data and how to collect it. Plot pairs.

Does the question need data to be collected? Circle Yes or No.

Example What is the favorite fruit of the students in our class?	☒ Yes	☐ No
1. How many days are in one week?	Yes	No
2. How many cars drive past our school in 10 minutes?	Yes	No

How would you collect the data? Circle one way.

Question	Way to collect the data			
Example Which sport does our class like best?	☒ Poll	☐ Observe	☐ Measure	☐ Experiment
3. How many birds visit the feeder each hour?	Poll	Observe	Measure	Experiment
4. How tall are the sunflowers in our garden?	Poll	Observe	Measure	Experiment
5. Does a ball bounce higher on grass or sand?	Poll	Observe	Measure	Experiment
6. Your question: _____	Poll	Observe	Measure	Experiment

7. How many data points will you collect for it (30 or fewer)? _____

Plot each pair of data as a point on the scatterplot.

Player	Hours	Free throws
A	1	4
B	2	7
C	3	6
D	3	9
E	4	10
F	5	13
G	7	16

8. As practice time goes up,
the free throws made go:
up down

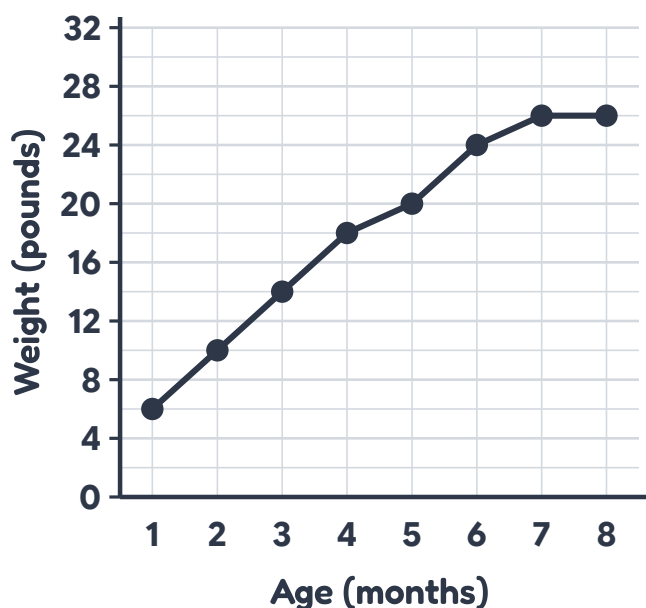


Reading Line Graphs

Read each line graph. Answer the questions.

Use each line graph to answer the questions next to it.

Weight of a Puppy



Example How much did it weigh at 3 months? 14 pounds

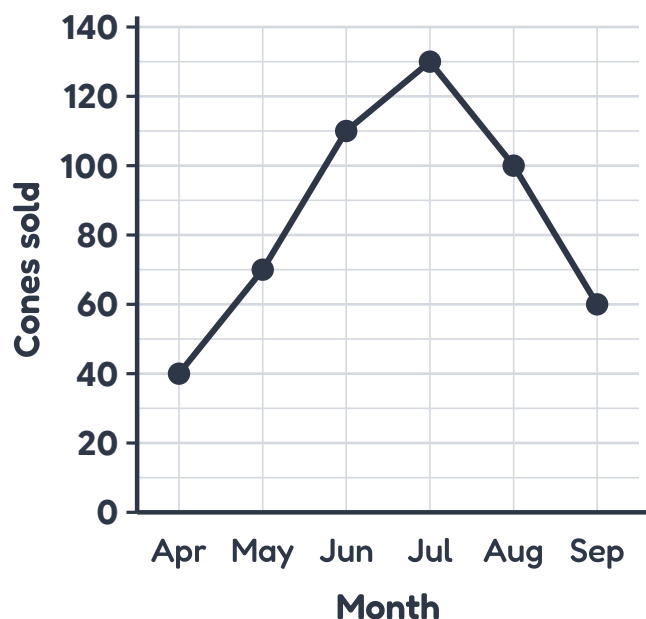
1. How much did it gain from 2 to 5 months? 10 pounds

2. Between which ages did its weight stay the same? 7 and 8 months

3. What is the least weight on the graph? 6 pounds

4. Predict: about how much will it weigh at 9 months? about 26 pounds

Ice Cream Cones Sold



5. In which month were the most cones sold? July

6. How many more were sold in June than in April? 70 cones

7. How many were sold in May and June in all? 180 cones

8. Between which months did sales fall the most? Aug and Sep

9. From April to July, did sales rise or fall?
rise fall

Making a Line Graph

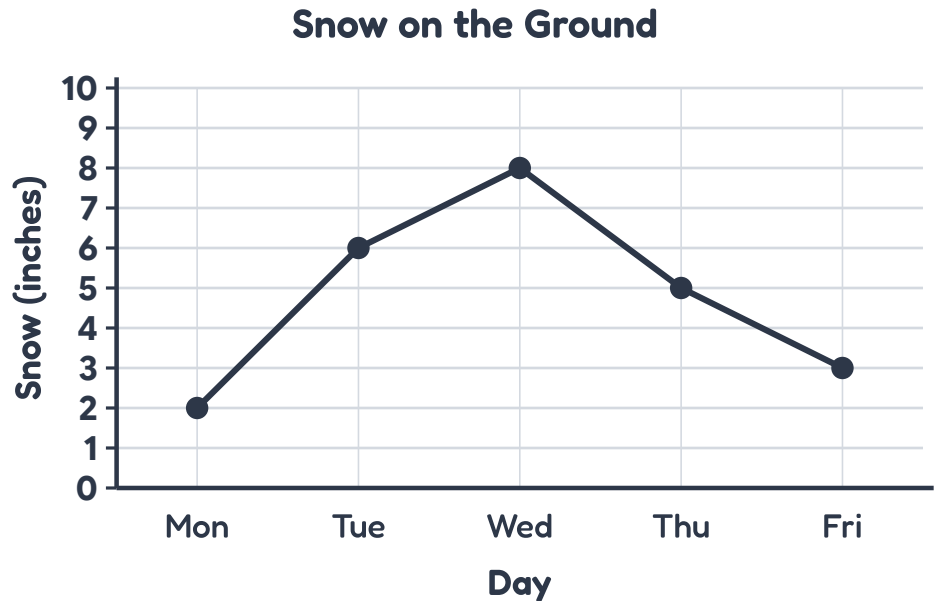
Plot each point from the table. Join the points with lines.

Make a line graph from each table. Each row is one point.

Example

Day	Snow (inches)
Mon	2
Tue	6
Wed	8
Thu	5
Fri	3

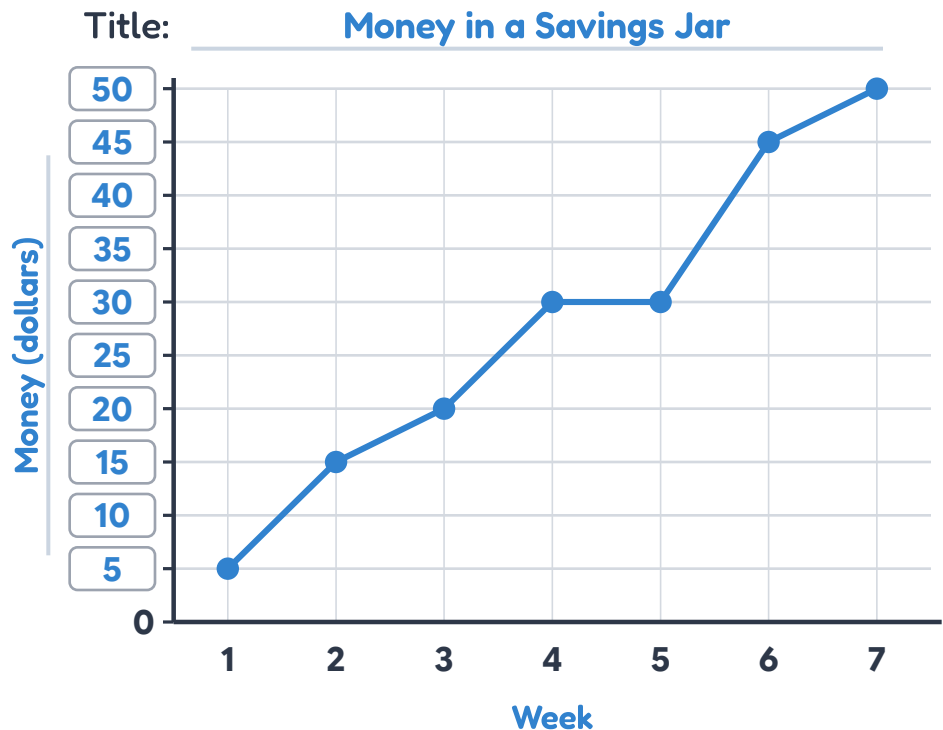
Each row is one point:
Mon and 2 is the point
above Mon, across from 2.



1.

Week	Money (dollars)
1	5
2	15
3	20
4	30
5	30
6	45
7	50

Write a title and a label
for each axis. Number the
scale by 5s. Plot the points
and join them.

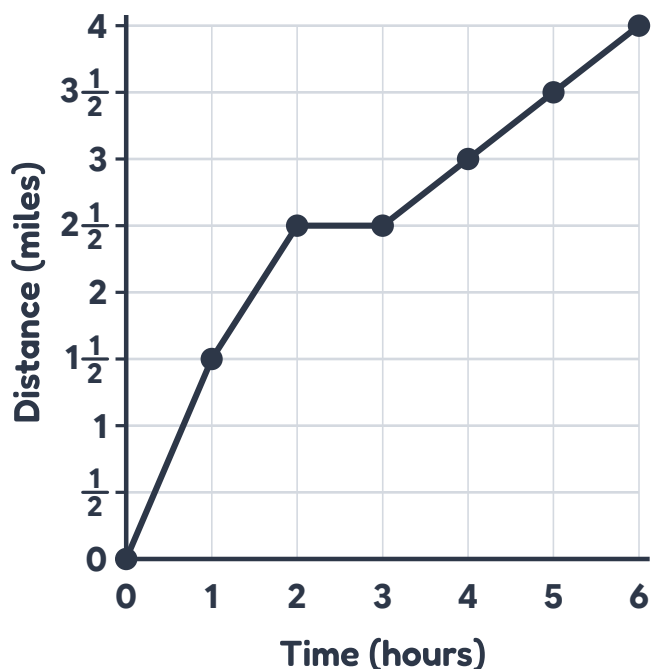


Reading the Scale

Read the scale carefully. Answer the questions and predict.

One scale counts by halves, the other by 0.5. Use them to answer.

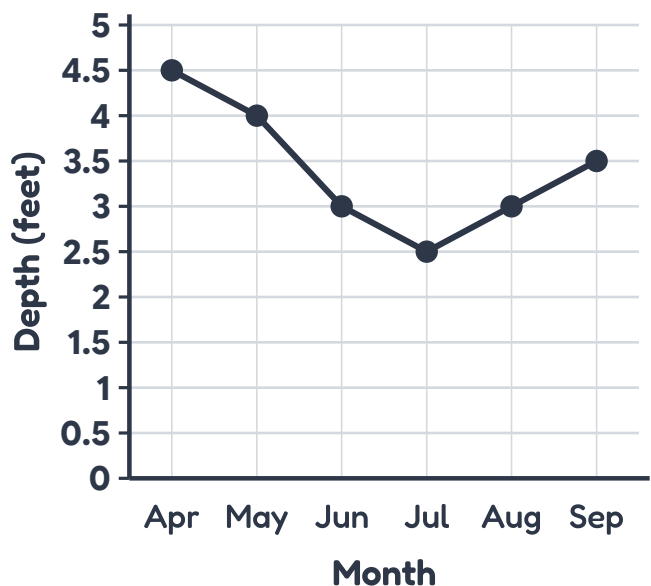
Distance Hiked



Example How far had they hiked after 2 hours? $2\frac{1}{2}$ miles

- During which hour did they stop to rest? 2 to 3
- How far did they hike from hour 3 to hour 6? $1\frac{1}{2}$ miles
- In which hour did they hike the farthest? 0 to 1
- Predict: at the pace of the last hour, how far after 7 hours? $4\frac{1}{2}$ miles

Depth of a Pond



- How deep was the pond in May? 4 feet
- In which month was the pond the shallowest? July
- How much did the depth drop from April to July? 2 feet
- Between which months did it drop the most? May and Jun
- Predict: if it keeps rising the same way, how deep in October? 4 feet

Double Bar Graphs

Compare two sets of data. Then finish a double bar graph.

Use the double bar graph to answer the questions.

Books Read by Two Classes



Example How many books did Class A read in October? 25

1. In which month did Class B read the most? December

2. In how many months did Class B read more than Class A? 3

3. How many more books did Class A read than Class B in November? 10

4. Which class read more books in all? Class B

Draw the bars for the rest of the table. Then answer.

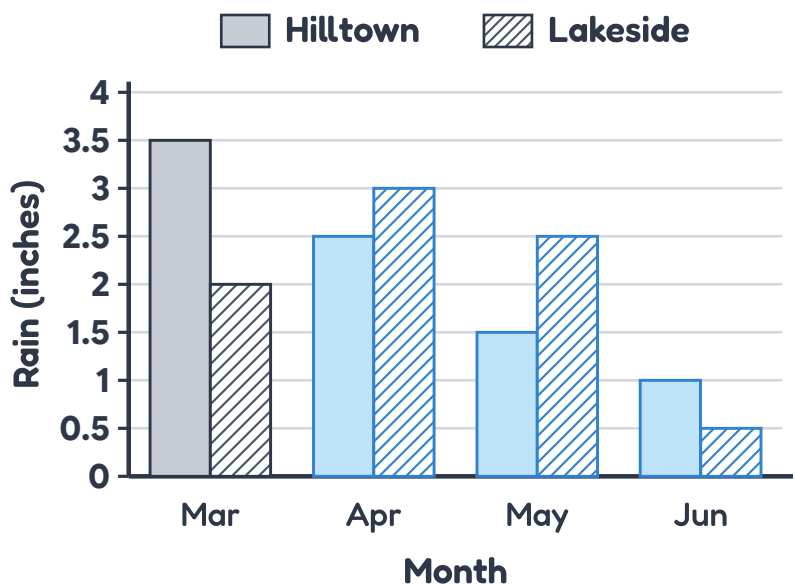
Month	Hilltown	Lakeside
Mar	3.5	2
Apr	2.5	3
May	1.5	2.5
Jun	1	0.5

Example March is done for you.

5. In April, how much more rain did Lakeside get? 0.5 inch

6. Which town got more rain in all four months? Hilltown

Rain in Two Towns



Asking Questions with Data

Decide which questions need data and how to collect it. Plot pairs.

Does the question need data to be collected? Circle Yes or No.

Example What is the favorite fruit of the students in our class?

☒ Yes ☐ No

1. How many days are in one week?

Yes ☒ No

2. How many cars drive past our school in 10 minutes?

☒ Yes ☐ No

How would you collect the data? Circle one way.

Question	Way to collect the data
Example Which sport does our class like best?	☒ Poll ☐ Observe ☐ Measure ☐ Experiment
3. How many birds visit the feeder each hour?	Poll ☒ Observe ☐ Measure ☐ Experiment
4. How tall are the sunflowers in our garden?	Poll ☐ Observe ☒ Measure ☐ Experiment
5. Does a ball bounce higher on grass or sand?	Poll ☐ Observe ☐ Measure ☒ Experiment
6. Your question: <u>Sample: How tall are we?</u>	Poll ☐ Observe ☒ Measure ☐ Experiment

7. How many data points will you collect for it (30 or fewer)? Sample: 10

Plot each pair of data as a point on the scatterplot.

Player	Hours	Free throws
A	1	4
B	2	7
C	3	6
D	3	9
E	4	10
F	5	13
G	7	16

8. As practice time goes up,
the free throws made go:

☒ up ☐ down

