MATH

Scaled picture and bar graphs

Name _____ Date _____

I can read and make graphs with a scale.

1 How it works

In a scaled graph, one picture or one step stands for more than one. Read the key first. If each picture is 2 votes, count the pictures by 2s. If the scale goes up by 5, count the lines by 5s.

Key: ☆ **= 2 votes**

☆ ☆ ☆ **= 6 votes**

2 Read the picture graph

Favorite snack

popcorn	
cookies	
cheese	
carrots	

Key: each picture stands for 2 votes

1. How many votes for carrots? _____
2. Which has the most? _____
3. Which has the fewest? _____

How did I do? ☆ ☆ ☆

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Make a bar graph

Name _____ Date _____

I can make a bar graph from a tally chart.

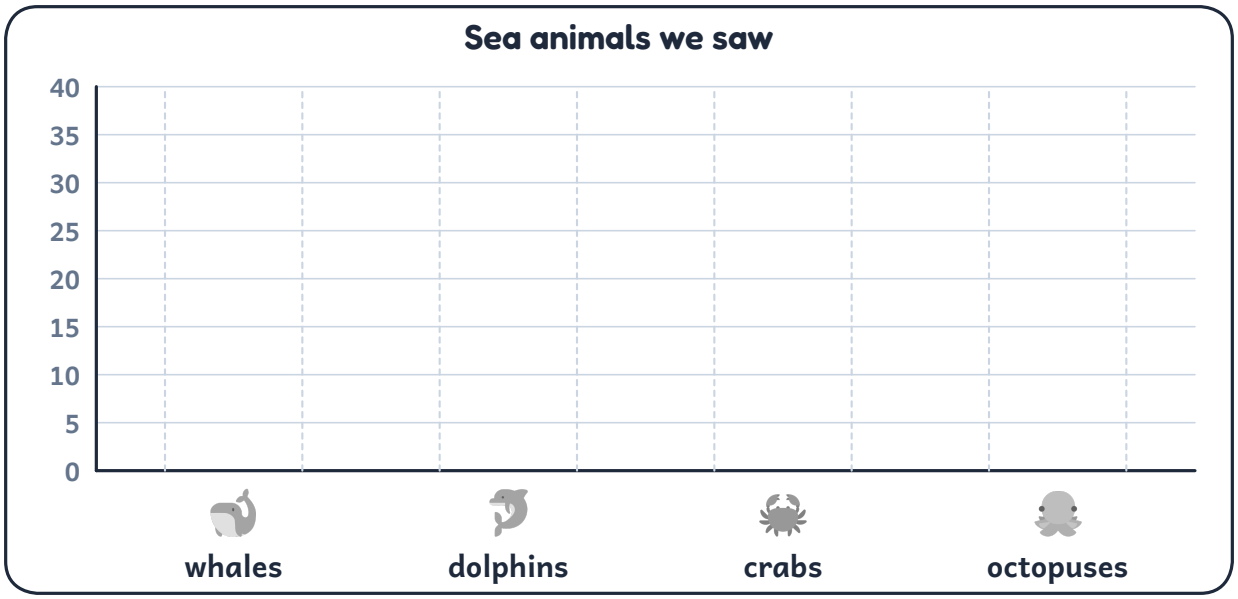
1 Use the numbers to color the bars

Sea animals we saw

whales	20	dolphins	35
crabs	25	octopuses	40

2 Color the bars

The scale counts by 5s.



1. How many more dolphins than crabs? _____

2. How many animals in all? _____

How did I do? ☆ ☆ ☆

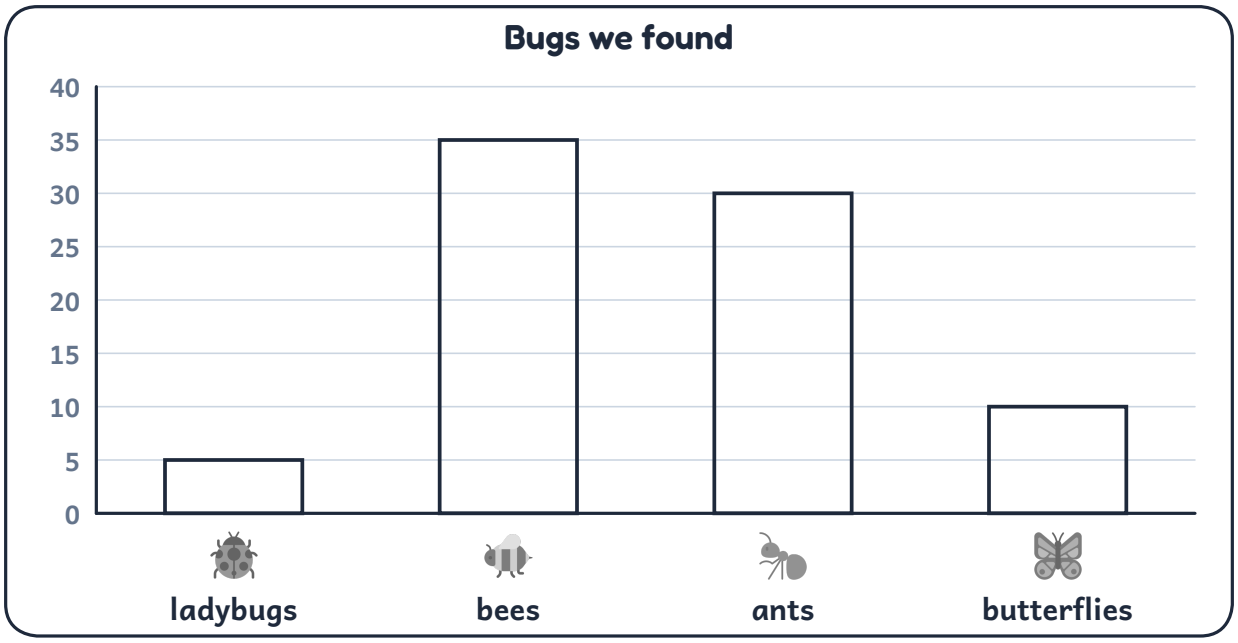
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Read and compare

Name _____ Date _____

I can read a bar graph with a scale of 5.

1 Read the bar graph



2 Answer the questions

1. How many ants? _____
2. Which has the most? _____
3. Which has the fewest? _____
4. How many more ants than butterflies? _____
5. How many bugs in all? _____

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can use data to solve problems.

1 Read, think, answer

1 In a picture graph, each star stands for 2 votes. Soccer has 6 stars. How many votes did soccer get?

Answer:

2 The key says each book picture stands for 5 books. Class A has 7 pictures. How many books did Class A read?

Answer:

3 A bar graph shows 35 votes for apples and 20 votes for grapes. How many more votes did apples get?

Answer:

4 On Aisha's bar graph, the scale goes up by 2. A bar stops halfway between 8 and 10. What number does it show?

Answer:

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: scaled picture and bar graphs

1 Page 1

Read the picture graph: 1) 8 2) cheese 3) popcorn.

2 Page 2

Bars: whales 20, dolphins 35, crabs 25, octopuses 40.
Questions: 1) 10 2) 120.

3 Page 3

Questions: 1) 30 2) bees 3) ladybugs 4) 20 5) 80.

4 Page 4: word problems

1) 12 votes (6 × 2 = 12)
2) 35 books (7 × 5 = 35)
3) 15 more votes (35 − 20 = 15)
4) 9

5 Teaching tip

Before reading any scaled graph, ask: what does one picture or one step stand for? Children who skip the key count by ones.

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