



GRADE 2 / WATCH MR DJ SOLVE

PICTURE AND BAR GRAPHS

Start with the same example used in the lesson slides.



WATCH MR DJ SOLVE

Votes: A=2, B=5, C=3, D=4. Draw a picture graph. One picture means one vote.

- 1 Use four labeled categories.
- 2 Use one picture per vote.
- 3 Add a clear key.

Answer: **Picture counts: 2, 5, 3, 4.**



REMEMBER draw single-unit picture and bar graphs and solve questions about up to four categories.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 2 / WORKED METHODS

PICTURE AND BAR GRAPHS

Read a complete example before trying the matching method.

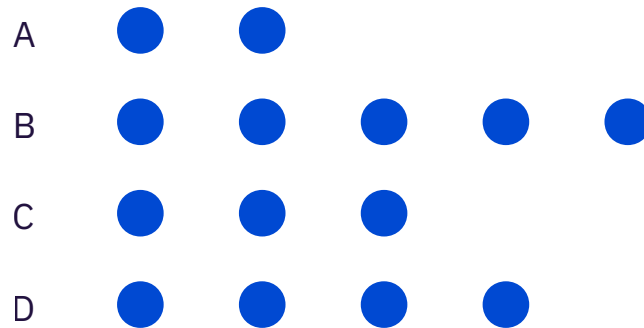


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

One picture means one vote

A=2, B=5, C=3, D=4

1. Read the category labels.
2. Draw one picture for each vote.
3. State the key: one circle is one vote.



Key: one circle = one vote



GRADE 2 / WORKED METHODS

PICTURE AND BAR GRAPHS

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Read a one-unit bar scale

B has 3 more votes than A

1. B reaches 5; A reaches 2.
2. Find the extra three units.
3. $5 - 2 = 3$ more votes.



Votes: each equal scale step means 1 vote



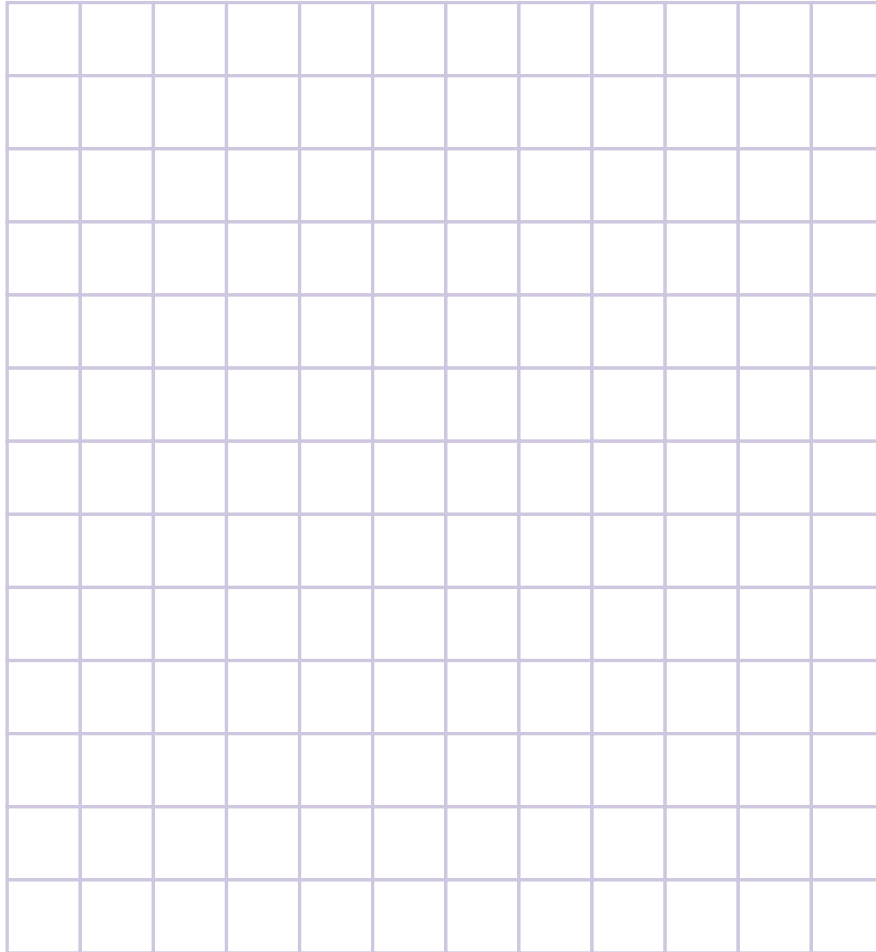
GRADE 2 / MATHEMATICAL WORK TOOL

PICTURE AND BAR GRAPHS

Draw, label and explain.



Label categories and a zero-based scale. Each bar-graph scale step is one. Picture graphs need a key; each picture means one object.





GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Mild

1. Votes: A=2, B=5, C=3, D=4. Draw a bar graph. One grid step means one vote.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Mild

2. Votes: A=2, B=5, C=3, D=4. How many more votes has B than A?

Grid area for working out the answer to Question 2.

My answer / conclusion: _____

◀◀ Medium

3. Votes: A=2, B=5, C=3, D=4. Find C and D together.

Grid area for working out the answer to Question 3.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

4. Votes: A=2, B=5, C=3, D=4. How many votes altogether?

My answer / conclusion: _____

🔊 Medium

5. Votes: A=2, B=5, C=3, D=4. Which category has the fewest votes?

My answer / conclusion: _____



GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. Digit uses one picture for two votes for the data $A=2$, $B=5$, $C=3$, $D=4$, but writes a key of one vote per picture. Explain.

Grid area for drawing and explanation.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Votes: A=2, B=5, C=3, D=4. How could a picture graph and bar graph show the same data?

Grid area for drawing picture and bar graphs.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PICTURE AND BAR GRAPHS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Change one vote from B to A in $A=2$, $B=5$, $C=3$, $D=4$. Explain which bars change and whether the total changes.

Grid area for drawing picture and bar graphs.

My answer / conclusion: _____