

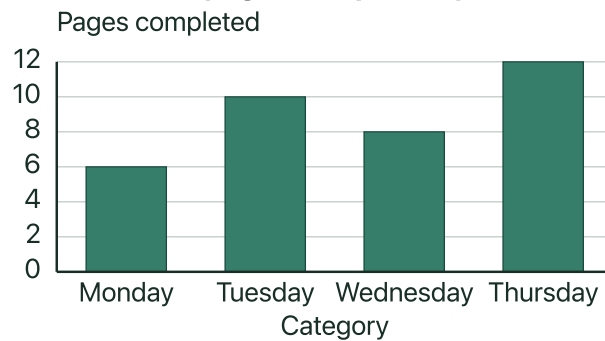
Reading bar graphs: scales, totals and comparisons

Compare your reasoning, not just the final result. Equivalent correct methods are welcome.

Public practice with published answers. This is not a full-topic readiness assessment.

1. Read the graph. How many pages were completed on Wednesday? State the units.

Sketchbook club: pages completed (invented data)

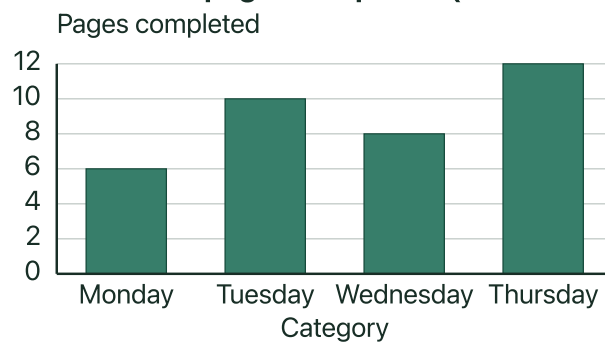


Worked solution 1: 8 pages.

1. The vertical axis counts pages, in intervals of 2.
2. Wednesday's bar reaches 8, so 8 pages were completed.

2. Which day had the most completed pages, and how many more than Monday?

Sketchbook club: pages completed (invented data)

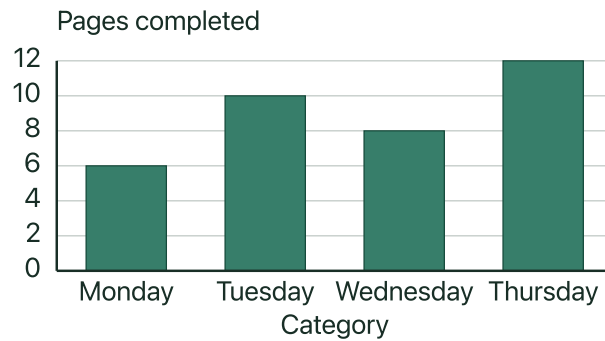


Worked solution 2: Thursday; 6 more pages.

1. Thursday's bar is highest at 12 pages. Monday has 6.
2. $12 - 6 = 6$ more pages.

3. How many pages were completed altogether across the four days? Show the addition.

Sketchbook club: pages completed (invented data)

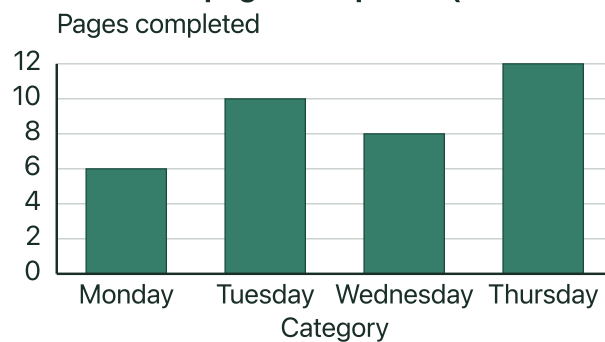


Worked solution 3: 36 pages.

1. Read the four values: 6, 10, 8 and 12.
2. $6 + 10 + 8 + 12 = 36$ pages.

4. The club hoped to finish 40 pages in these four days. How many more pages were needed?

Sketchbook club: pages completed (invented data)

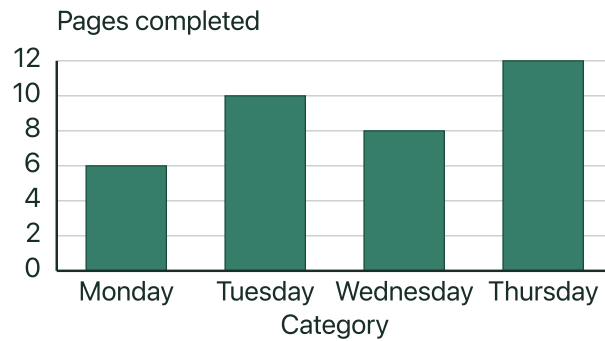


Worked solution 4: 4 more pages.

1. The graph total is $6 + 10 + 8 + 12 = 36$.
2. $40 - 36 = 4$ pages still needed.

5. What fraction of the four-day total was completed on Thursday? Simplify your answer and show how you chose the denominator.

Sketchbook club: pages completed (invented data)

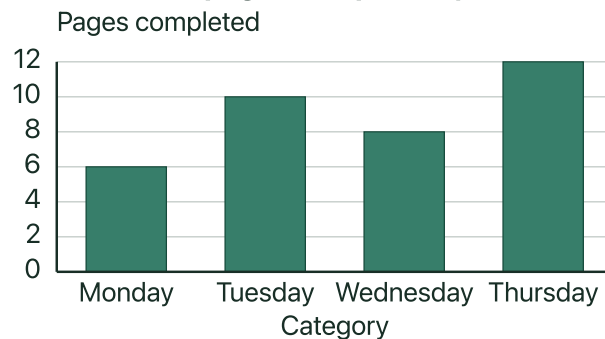


Worked solution 5: $\frac{1}{3}$ of the pages.

1. The whole is all 36 completed pages, not the four days.
2. Thursday contributed 12, giving $\frac{12}{36}$.
3. Divide numerator and denominator by 12: $\frac{12}{36} = \frac{1}{3}$.

6. A learner says, 'The club completed twice as many pages on Thursday as on Monday because everyone worked twice as long.' Which part does the graph support? Which part needs more information?

Sketchbook club: pages completed (invented data)



Worked solution 6: It supports twice as many pages, but not twice as much working time or the proposed cause.

1. Thursday has 12 pages and Monday has 6; $12 \div 6 = 2$.
2. The graph records pages, not minutes, attendance or difficulty.
3. We need time records and other relevant information to investigate the explanation.