

Scaled Bar Graphs

Grade 3 • MATH • Reading data from scaled bar graphs and choosing bar heights to build one • Standards: 3.MD.B.3

Use the data table for each problem. Answer the questions about the scaled bar graph, or write the bar height each category needs using the scale given.

1. The table shows votes for favorite season. Spring: 10, Summer: 15, Fall: 5, Winter: 20. The scale is 5 votes per unit. How many units tall should the bar for Spring be?
2. The table shows books read. Maya: 12, Leo: 8, Zara: 16, Finn: 4. The scale is 4 books per unit. How many units tall should the bar for Zara be?
3. The table shows goals scored. Red Team: 18, Blue Team: 12, Green Team: 6, Yellow Team: 24. The scale is 6 goals per unit. How many units tall should the bar for Yellow Team be?
4. The table shows apples picked. Monday: 25, Tuesday: 15, Wednesday: 10, Thursday: 30. The scale is 5 apples per unit. How many units tall should the bar for Thursday be?
5. The table shows stickers collected. Anna: 14, Ben: 21, Cara: 7, Dan: 28. The scale is 7 stickers per unit. How many more units tall is Dan's bar than Cara's bar?
6. The table shows fish caught. Lake A: 32, Lake B: 24, Lake C: 16, Lake D: 40. The scale is 8 fish per unit. What is the total height in units for Lake A and Lake C combined?
7. The table shows tickets sold. Friday: 45, Saturday: 60, Sunday: 30. The scale is 15 tickets per unit. If the bars for Friday and Sunday were stacked, how many units tall would they be together?
8. The table shows miles walked. Week 1: 36, Week 2: 48, Week 3: 24, Week 4: 60. The scale is 12 miles per unit. How many more units tall is the tallest bar than the shortest bar?

Answer Key — Scaled Bar Graphs

For the teacher / parent. Do not distribute with the worksheet.

1. 2 ($10 \text{ votes} \div 5 \text{ votes per unit} = 2 \text{ units}$)
2. 4 ($16 \text{ books} \div 4 \text{ books per unit} = 4 \text{ units}$)
3. 4 ($24 \text{ goals} \div 6 \text{ goals per unit} = 4 \text{ units}$)
4. 6 ($30 \text{ apples} \div 5 \text{ apples per unit} = 6 \text{ units}$)
5. 3 (Dan: $28 \div 7 = 4 \text{ units}$; Cara: $7 \div 7 = 1 \text{ unit}$; $4 - 1 = 3 \text{ units}$)
6. 6 (Lake A: $32 \div 8 = 4 \text{ units}$; Lake C: $16 \div 8 = 2 \text{ units}$; $4 + 2 = 6 \text{ units}$)
7. 5 (Friday: $45 \div 15 = 3 \text{ units}$; Sunday: $30 \div 15 = 2 \text{ units}$; $3 + 2 = 5 \text{ units}$)
8. 3 (Tallest (Week 4): $60 \div 12 = 5 \text{ units}$; Shortest (Week 3): $24 \div 12 = 2 \text{ units}$; $5 - 2 = 3 \text{ units}$)