

Basketball Bar Graphs

Read the bar graph, compare players, and answer every question.
All players and teams are made up — show your work!

Name _____

Date _____

GRAPH TOOLKIT

Title

what the
graph shows

Bars

taller = more
points scored

Scale

each step on
the axis counts

Compare

who scored
more or less?



POINTS PER PLAYER

FRIDAY NIGHT POINTS

Points scored by five made-up Hoops squad players



Each grid step = 2 points. Numbers on top of bars show exact points.

ROOKIE

1 Who scored the **most** points on the graph?

WORK SPACE

ROOKIE

2 Who scored the **fewest** points on the graph?

WORK SPACE

STARTER

3 How many **more** points did Theo score than Mia?

WORK SPACE

STARTER

4 How many points did the five players score **altogether**?

WORK SPACE

PRO

5 How many points did Ruby and Jun score **combined**?

WORK SPACE

PRO

6 How many players scored **8 or more** points?

WORK SPACE

ALL-STAR

7 The five players scored **40** points in all. If those points were shared equally, how many points would each player get?

WORK SPACE

each

CHALLENGE ★

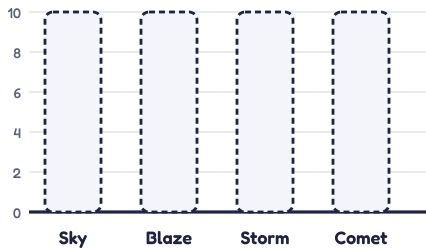
8 List the five players in order from **fewest** points to **most** points.

WORK SPACE

A Build the Bar Graph

Use the table. Color each bar to match the number of 3-pointers.

TEAM	3-POINTERS
Sky	3
Blaze	7
Storm	5
Comet	9



Scale: each step = 1 three-pointer. Made-up teams only.

- Using the table, color each dashed bar up to the correct height for that team's 3-pointers.
- Which team made the **most** 3-pointers?
- Which team made the **fewest** 3-pointers?
- How many more 3-pointers did Comet make than Sky?

B Picture Graph

Each ★ stands for 2 baskets made in practice.

PLAYER	BASKETS (★ = 2)
Nia Cruz	★★★
Ben Holt	★★
Asha Kim	★★★★

Count by 2s. Three stars mean $2 + 2 + 2 = 6$ baskets.

- How many baskets did **Asha** make? (Remember: each ★ = 2 baskets.)
- How many baskets did the three players make **in all**?
- How many **more** baskets did Asha make than Ben?
- How many ★ symbols appear on the whole chart?

C Quick Data Check

No graph needed — just careful arithmetic.

- Three teams scored **3**, **5**, and **7** points in a mini-game. What is the total number of points?

WORK SPACE

.....

_____ pts

- The teams are **Elm (3)**, **Pine (5)**, and **Oak (7)**. Which team scored the most points?

WORK SPACE

.....

- How many more points did Oak score than Elm?

WORK SPACE

.....

_____ pts

- What is the **average** number of points for the three teams? (Add the three scores, then divide by 3.)

WORK SPACE

.....

_____ pts

Answer Key (for teachers & parents)

Answers for **Basketball Bar Graphs**, with the work shown where it helps. Print pages 1 and 2 for students, and keep this page for checking.

Page 1 Problems

1. Dev (12 points)
2. Jun (4 points)
3. 4 (10 – 6)
4. 40 (6+10+4+8+12)
5. 12 (8 + 4)
6. 3 (Theo, Ruby, Dev)
7. 8 (40 ÷ 5)
8. Jun, Mia, Ruby, Theo, Dev

Quick score

Page 1 problems	_____ / 8
A · Build the Bar Graph	_____ / 4
B · Picture Graph	_____ / 4
C · Quick Data Check	_____ / 4
Total	_____ / 20

A · Build the Bar Graph

1. Bars: 3, 7, 5, 9 (Sky → Comet)
2. Comet
3. Sky
4. 6 (9 – 3)

Skills practiced

- Reading bar graphs
- Comparing data
- Picture graphs
- Addition & subtraction
- Equal shares (÷)

Teaching tip: Ask kids to put a finger on the top of each bar and slide left to the scale. For picture graphs, have them skip-count by 2 out loud before writing the total.

B · Picture Graph

1. 8 baskets (4 × 2)
2. 18 baskets
3. 4 (8 – 4)
4. 9 stars (18 ÷ 2)

C · Quick Data Check

1. 15 (3+5+7)
2. Oak
3. 4 (7 – 3)
4. 5 (15 ÷ 3)