

Worksheet 06: Data Tables and Fitness Math

Analyze tables and explain conclusions.

Part A: Use the Table

Fitness results: Alex 42 push-ups, 58 sit-ups, 12:30 run. Bri 36 push-ups, 62 sit-ups, 11:45 run. Chris 48 push-ups, 54 sit-ups, 12:05 run. Dana 40 push-ups, 60 sit-ups, 10:58 run.

1. Who had the highest push-up score? By how many more than the lowest score?

2. Find the mean number of sit-ups.

Show your work / final answer:

3. Rank the runners from fastest to slowest.

4. Convert each run time to seconds, then find the range in seconds.

Show your work / final answer:

5. If each student improves push-ups by 12.5%, calculate each new score to the nearest whole push-up.

Show your work / final answer:

Extra workspace / final response:

Part B: Interpretation

6. Which student appears strongest overall? Defend your answer using at least two data points.

7. Create one new question that could be answered from the table, then answer it.

Extra workspace / final response:
