Choose a scale, and the question data answers

Grade 3 · Graphs & Data

Answer key The answers are filled in.

1 Ida wants to find out how many hours kids in Ida's grade sleep on a school night. Which data should Ida collect?

Check one:

- [ ] Ask only Ida's little brother.
- [x] Ask each kid in Ida's grade, "How many hours did you sleep last school night?"
- [ ] Find out what time the school day starts.

2 Cal wants to find out which sport the third graders at Cal's school like best. Which data should Cal collect?

Check one:

- [ ] Ask Cal's best friend which sport is best.
- [x] Ask each third grader at the school to pick one sport from a list.
- [ ] Count the balls in the gym.

3 Kai will make a bar graph of the votes the whole school cast for a new recess game. The votes: chess 30, checkers 80, dominoes 20, puzzles 40. The graph has 10 lines up the side. Which scale fits the data best?

Check one:

- [ ] count by 100s
- [x] count by 10s
- [ ] count by 2s

4 Eli wants to find out which book the kids in the library club like best. Which data should Eli collect?

Check one:

- [x] Ask each kid in the library club to vote for one book.
- [ ] Ask the librarian which book is best.
- [ ] Count the pages in each book.

5 Nia will make a bar graph of the votes the whole school cast for a new recess game. The votes: chess 30, checkers 40, dominoes 50, puzzles 45. The graph has 10 lines up the side. Which scale fits the data best?

Check one:

- [ ] count by 50s
- [x] count by 5s
- [ ] count by 1s

6 Nia will make a bar graph of the birds seen at a feeder. The birds: robins 18, jays 14, wrens 16, finches 12. The graph has 10 lines up the side. Which scale fits the data best?

Check one:

- [x] count by 2s
- [ ] count by 1s
- [ ] count by 10s