Year 3 Maths: Asking Questions and Collecting Data

Name: _____ Date: _____

Have a go first, then check the answers with a grown-up.

Practice

1. Which question gives number data?

2. Which question gives category data?

3. In the teeth table, how many students lost 2 teeth?

4. In the teeth table, how many students lost 3 or more teeth?

5. Eight students say how many pets they have: 1, 0, 2, 1, 1, 3, 0, 1. How many students have 1 pet?

Spot the mistake

6. What is wrong? "Favourite colour is number data."

7. What is wrong? "Number of pets is category data because pets are animals."

8. What is wrong? "Keep the answers in your head and count them later."

9. What is wrong? "Leave out the students who lost 0 teeth."

Answer key (for parents and tutors)

1. Which question gives number data?
   How many cousins do you have?
2. Which question gives category data?
   How do you get to school?
3. In the teeth table, how many students lost 2 teeth?
   5
4. In the teeth table, how many students lost 3 or more teeth?
   3 (2 students lost 3 teeth and 1 lost 4)
5. Eight students say how many pets they have: 1, 0, 2, 1, 1, 3, 0, 1. How many students have 1 pet?
   4
6. What is wrong? "Favourite colour is number data."
   Colours are words, so favourite colour is category data.
7. What is wrong? "Number of pets is category data because pets are animals."
   The answer is a count, like 0, 1 or 3, so it is number data.
8. What is wrong? "Keep the answers in your head and count them later."
   Write every answer down, then sort and count them.
9. What is wrong? "Leave out the students who lost 0 teeth."
   0 is an answer too. Count how many students lost 0 teeth.