

CHECKING IF A QUESTION IS STATISTICAL

- 1 Read the question carefully.
- 2 Ask yourself if answers from the class will vary or stay the same.
- 3 If answers vary across pupils then it is statistical.

 WARM-UP

Fill in the tally chart for the class travel survey.

Category	Tally	Count
Walk		
Car		
Bus		

1. Make tally marks for 5 Walk, 4 Car and 3 Bus
2. Check that the Walk row holds exactly 5 marks
3. Write the totals 5, 4 and 3 beside the matching rows

 PRACTICE

- 1 Liam asks his class how many books they read last month to see the spread.

How many books did you read last month?

- 2 Sara wants to know the favourite subjects in her classroom.

What is your favourite subject?

- 3 The teacher measures every pupil in the class to collect height data.

How tall are you in centimetres?

- 4 Pupils note their travel times to show variation in the group.

How many minutes do you take to walk to school?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A question about the exact number of desks in the room is statistical. ☐
- b. Asking every pupil their shoe size gives raw data for a statistical question. ☐
- c. 'How many legs does a dog have?' is a good statistical question for a class survey. ☐
- d. How many hours of sleep did you get last night? is a statistical question for the class. ☐