

From numbers to sentences





Check: Correct the statements

Class 7B has 30 students. Check each statement against the data. Tick if it is accurate. If it is not, correct it.

Class 7B: school trip choices

Choice	Theme park	Museum	Beach	Mountains
Count	14	8	5	3

1 Exactly 50% of the students chose the theme park.

☐ accurate ☐ not accurate

Calculation: $\frac{\quad}{\quad} \times 100 = \quad$

It should say $\quad$

2 Just over a quarter of the students chose the museum.

☐ accurate ☐ not accurate

Calculation: $\frac{\quad}{\quad} \times 100 = \quad$

It should say $\quad$

3 Most students chose the mountains.

☐ accurate ☐ not accurate

Calculation: $\frac{\quad}{\quad} \times 100 = \quad$

It should say $\quad$

4 Around 30% of the students chose the beach.

☐ accurate ☐ not accurate

Calculation: $\frac{\quad}{\quad} \times 100 = \quad$

It should say $\quad$

CHALLENGE Beach and mountains are natural places. What percentage of the students chose a natural place? Write a sentence.

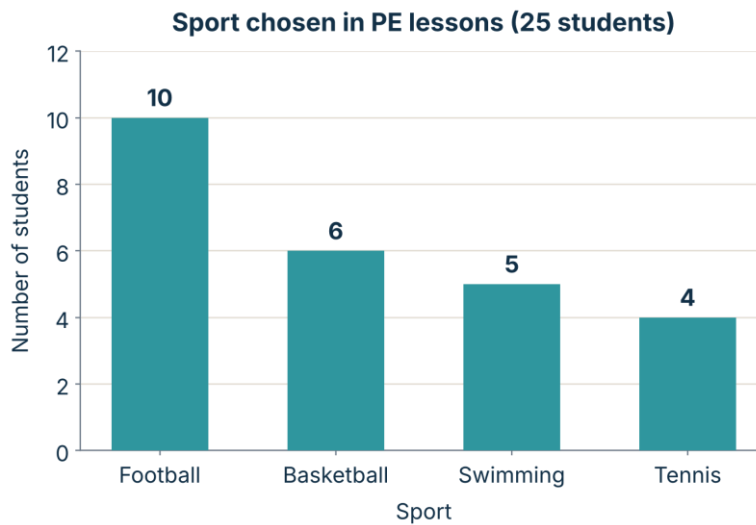
Calculation: $\quad + \quad = \quad$ out of 30; $\frac{\quad}{30} \times 100 = \quad\%$

$\quad$
 $\quad$



Write: Calculate, then write

25 students chose their favourite sport in PE. Work out each percentage. Then write 3–4 accurate statements. Check each number against the data.



Sport	Football	Basketball	Swimming	Tennis
Percentage				

KEY LANGUAGE Use these phrases to describe percentages.

EXACT FIGURE

Exactly 25% of the students chose...

SIMPLE FIGURE

Approximately half of the group chose...

ROUGH AMOUNT

Around 47% of the students...

CLOSE TO HALF

Just over / just under half of...

COMPARE

A larger / smaller proportion chose... than...

BIGGEST OR SMALLEST

This is the largest / smallest proportion.

Use at least one: approximately · around · just over · just under



Read: A model summary

Read the model. It uses two useful figures. It does not list every number.

School trip survey: 40 students

Choice	Theme park	Museum	Beach	Mountains
Students	20	10	6	4
Percentage	50%	25%	15%	10%

Two useful figures: the highest and the lowest.

X LISTING EVERY NUMBER

20 chose the theme park, 10 the museum, 6 the beach, 4 the mountains.

✓ SELECTING TWO USEFUL FIGURES

- 1** We asked 40 students about a school trip.
- 2** Exactly 50% chose the theme park, which is the largest proportion.
- 3** Only 10% chose the mountains. This is a much smaller proportion than the theme park (50%).

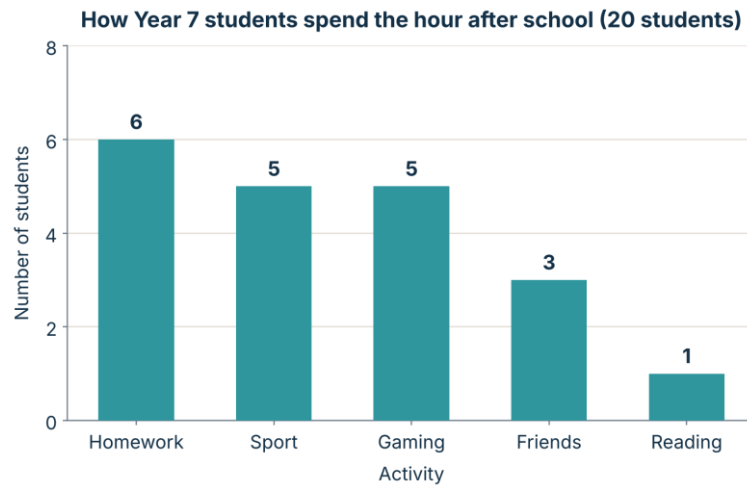
Key idea: choose the figures that matter most.

STRETCH Remember: Which display is often best for showing percentages? Display the data from the table above in a different way. Draw your display in this box.



Independent task

Write a three-sentence summary. Choose the two most useful figures. Do not list every number.



1 Calculate the percentages Each student is 5%.

Activity	Homework	Sport	Gaming	Friends	Reading
Percentage					

2 Write three sentences

SENTENCE 1 • THE SURVEY

SENTENCE 2 • FIGURE 1

SENTENCE 3 • FIGURE 2

3 Check it Tick when your summary passes.

☐ accurate

☐ useful

☐ not a list

STRETCH Add a fourth sentence about sport and gaming together.



Remember: Key words

Read the key words and their meanings. Write each word in your own language.

MEANING

IN MY LANGUAGE

calculate

work out an answer using numbers

estimate

a close number, not exact

proportion

a part of the whole

percentage

a number out of 100

data

facts and numbers that people collect