

Congruent

Syllabus tracker [Open it online](#)

Name: _____

Date: _____

Tick one circle for each statement — on screen (click) or with a pen. Then try the quick checks: write your answer in the box, check it against the answers at the end, and tick “right” when you got it.

Conditions for congruence

SSS, SAS, ASA and RHS.

	Don't know	Shaky	Got it
I can explain what congruent means.	☐	☐	☐
I can recognise the conditions for congruent triangles.	☐	☐	☐
I can tell which conditions do NOT prove congruence.	☐	☐	☐

Using congruence

Matching corresponding sides and angles.

	Don't know	Shaky	Got it
I can use congruence to find a missing length.	☐	☐	☐
I can use congruence to find a missing angle.	☐	☐	☐

Quick checks

One quick question per statement. Answer in the box, then check the answers at the end.

1. Congruent shapes are...

A exactly the same shape and size **B** the same shape but any size **C** the same area **D** the same perimeter

Answer: _____ ☐ I got it right

2. Two triangles have two pairs of equal sides and equal angles between them. Which condition is this?

A SAS **B** SSS **C** ASA **D** RHS

Answer: _____ ☐ I got it right

3. Which of these does NOT prove that two triangles are congruent?

A AAA **B** SSS **C** SAS **D** RHS

Answer: _____ ☐ I got it right

4. Triangles ABC and PQR are congruent with $A \leftrightarrow P$, $B \leftrightarrow Q$, $C \leftrightarrow R$. $AB = 7$ cm and $BC = 9$ cm. Find QR in cm.

Answer: _____ ☐ I got it right

5. Triangles ABC and PQR are congruent with $A \leftrightarrow P$, $B \leftrightarrow Q$, $C \leftrightarrow R$. Angle $B = 48^\circ$. Find angle Q.

Answer: _____ ☐ I got it right

Answers

Try every question first, then check.

- | | |
|---------------------------------------|-------|
| 1. A: exactly the same shape and size | 4. 9 |
| 2. A: SAS | 5. 48 |
| 3. A: AAA | |