

Geometric similarity:

How would you define mathematically similar polygons?

...as if you are talking to another maths teacher.

Listen to other teacher's definitions... Look at the set of images...

Would you amend your definition?

How?

Why?

Geometric similarity: Noticing invariants

Watch the video of a student's activity using the software...

What did you notice?

Look again...

How would you use this feature?

Did you have any mathematical surprises?

Geometric similarity: Noticing invariant properties

Look carefully at the two screen shots

In a working pair, open Investigation 4.1 and each of you recreate one of the two screens.

Spot and note the differences

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Which aspects of geometric similarity are emphasised by each of the two different statements in the ratio checker?

Student A

Student B