

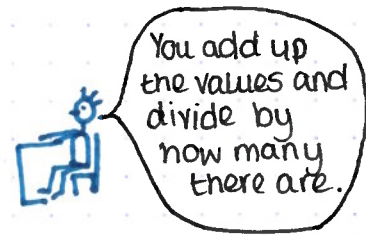
#MathsConf23

Principles and procedures in geometry

WHY

When a formula becomes a definition → e.g.

Students often explain how to work it out rather than what it is.



TRANSFORMATIONS

- ✗ You can only transform a 2D shape.
- ✗ keywords in maths mean the same as they do in everyday life.

TRANSLATION

Instead of starting by translating a shape, why not a point?

Do students know/appreciate that translating a shape means every point and not just the vertices are being translated?

ENLARGEMENT

POLL Enlarging an object by a scale factor greater than 1 always results in a larger image.

RESULT TRUE FALSE **94%**



... consider enlarging a single point.

REFLECTIONS



Is this a mathematically correct reflection of object A in the finite mirror shown?



What would this person see?

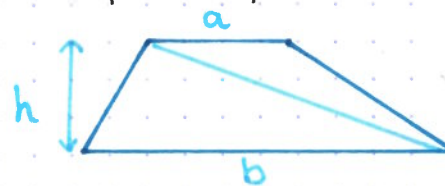
Reflect in a curve?

What does the image of this line look like?



MENSURATION

Area of a trapezium using triangles.



Sketchnote summary by @mrshawthorne7