

3-6: REMOTE MATHS

EDITION 12

MEASUREMENT AND GEOMETRY - WARM UPS

Mathematical language: square, measure, arm span, foot, rectangle, rotate, flip, rotate, shape, angle, speed, km/hr, polygon shapes.

TASK 1: GEOMETRY CUT-OUT PUZZLE *Adapted from Dr Paul Swan.*

Cut along the lines and rearrange the pieces of the cross to create a square. Download the template.

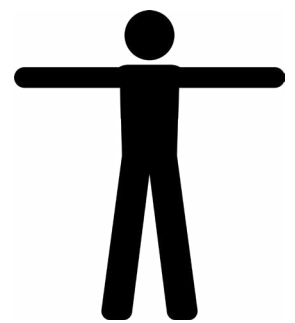


TASK 2: MEASUREMENT HUNT

Go for a walk and find the following

- 5 things longer than your foot
- 3 things shorter than your arm span
- 1 thing smaller than you

Create a table to show your work. Include the actual length and the difference between the item and what you were comparing it with.



TASK 3: PERIMETER *Adapted from Openmiddle.*

- Draw three rectangles with a perimeter of 20 units.
- Prove that they all have a perimeter of 20 units



EDITION 12: MEASUREMENT AND GEOMETRY (CONT.)

TASK 4: WHICH LETTER IS IT? *Source: MAV Prime Number 2014, 29(4)*

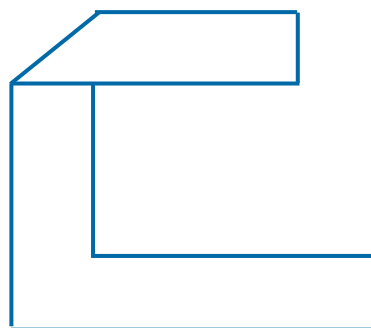
Scott cut out an uppercase letter from a piece of paper and then made one fold. The result looked like the image below on the right. Which letter was it? Here are a couple of hints:

- There are two possibilities.
- The letter may be flipped or rotated before you make the fold.

ABCDEFGHIH

IJKLMNOPQ

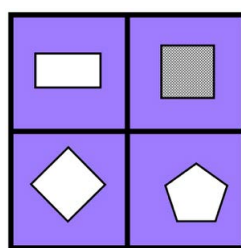
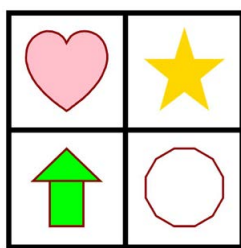
RSTUVWXYZ



TASK 5: WHICH ONE DOESN'T BELONG? *Source: <https://wodb.ca/numbers.html>*

Choose one of these three images to work out which number, fraction or equation doesn't belong and why.

- Think of at least 3 different responses.



Look out for more tasks next week!