Dot to Dot precise measurement puzzles

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Dot to dot precise measuring puzzles are for students and teachers who want practice using a ruler to measure distances. The first puzzles have only a single target distance - the students must draw a line between all pairs of points that are exactly that distance apart.

The puzzles can be explained to a whole class by using a large ruler to join points which are exactly a foot or metre apart. These points should be prepared in advance and labelled with letters. Students are asked to guess a pair of points are exactly a foot or a metre apart... For the points on the right, one student has chosen points B & E, but you can show that these two points are too close.

Precision is important. 4.0 cm is not equal to 4.4 cm. Tell your students to link points only if they are exactly the target distance apart... otherwise they won't end up with pictures - just a big mess!

The solution to this puzzle is found on the next page.



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The puzzles become harder as one progresses through the puzzle-sheets. Later puzzles have more than one target distance or there are more red herring dots that are only there to distract you.



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