All about ratios

Teacher notes

Why use this resource?

These problems are great for students looking to develop problem-solving skills as well as practising using similar triangles. There are a few ways of tackling this problem. An elegant solution uses similar triangles although one could also tackle them using trigonometry and/or coordinate geometry. The problems can be used individually but the later problems use previous results.

Key questions

- How can ratios help solve this problem?

Possible support

Some students may need reminding on the properties of similar triangles and how we prove whether two triangles are similar or not.

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