

Sine and cosine cards

These 12 cards form an alternative activity for students consolidating their early understanding of sine and cosine following on from the unit circle approach to introducing the topic.

Suggestions for use

Students can be asked to sort the cards at least once (common responses are by which information is *not* labelled; whether the requested information is a length or angle; whether you would need to use sine or cosine; and, by perceived level of difficulty). This provides a good opportunity for both group and whole class discussion with the teacher highlighting different sorting criteria and formal language).

Students can then be asked to sort the cards in order of difficulty (rank or “diamond 9”) and finally asked to find a given number of question marks.

NB

This activity covers the use of sine and cosine, missing lengths and angles and involves triangles in different orientations.

