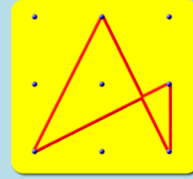


3 4 5 Triangle On A 9-Pin Geoboard



By Mike Ollerton

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INTRODUCTION

This idea is one of very many problems which can be posed on a 9-pin grid.

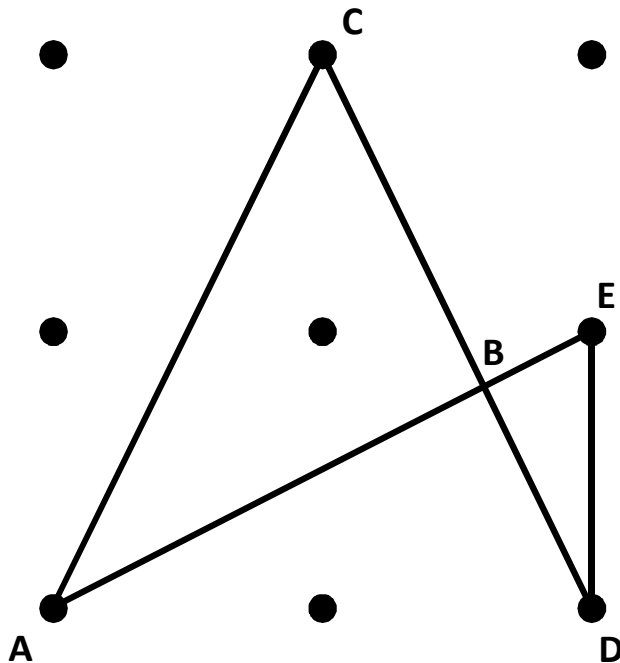
MATHEMATICAL CONTENT

- Similarity
- Pythagoras
- Trigonometry (possibly)
- Solving equations simultaneously (possibly)

APPLICABILITY

KS4 – KS5

Prove triangle ABC has sides in the ratio 3:4:5



Triangle BDE is not quite so interesting apart from the fact that the difference between the area of ABC and BDE is 1