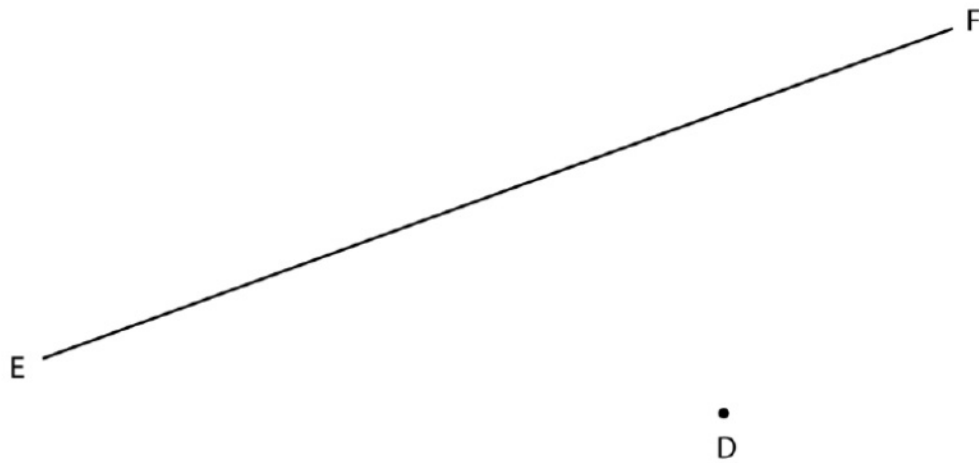


G13...Construction - Compass Work

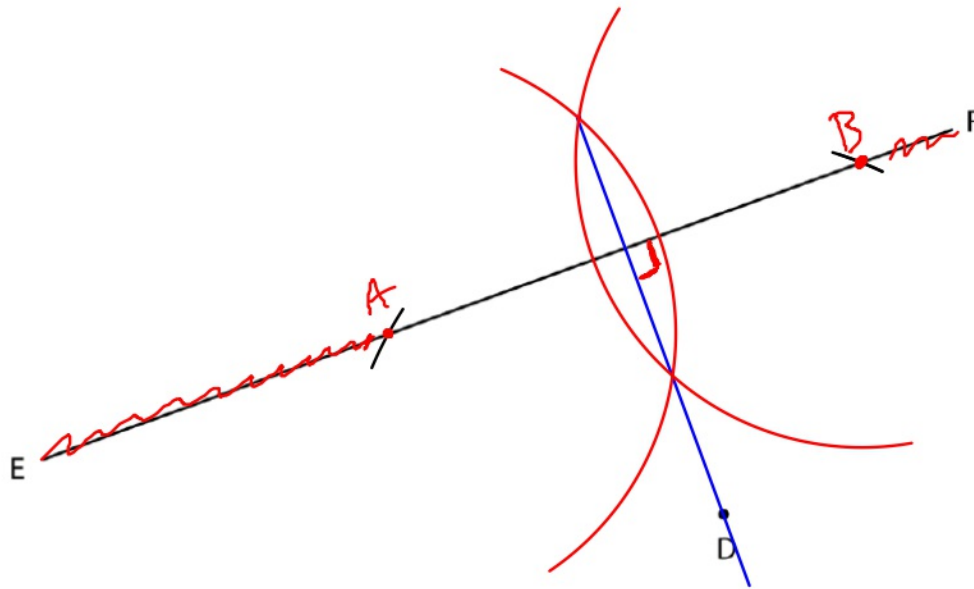
OCR

(b) Find, by construction, the shortest distance from D to the line EF.
Show all your construction lines.



(b) Shortest distance = cm **[3]**

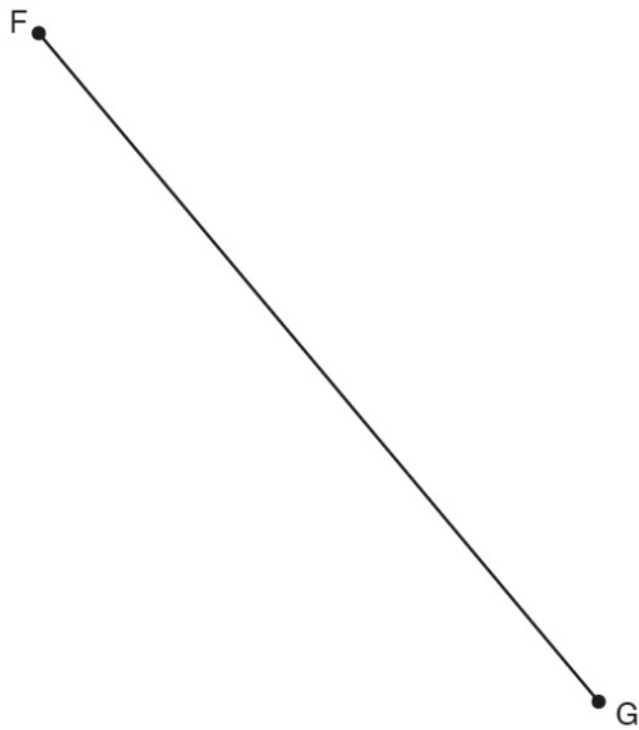
- (b) Find, by construction, the shortest distance from D to the line EF.
Show all your construction lines.



(b) Shortest distance = cm [3]

15 Using ruler and compasses only, construct the perpendicular bisector of FG.

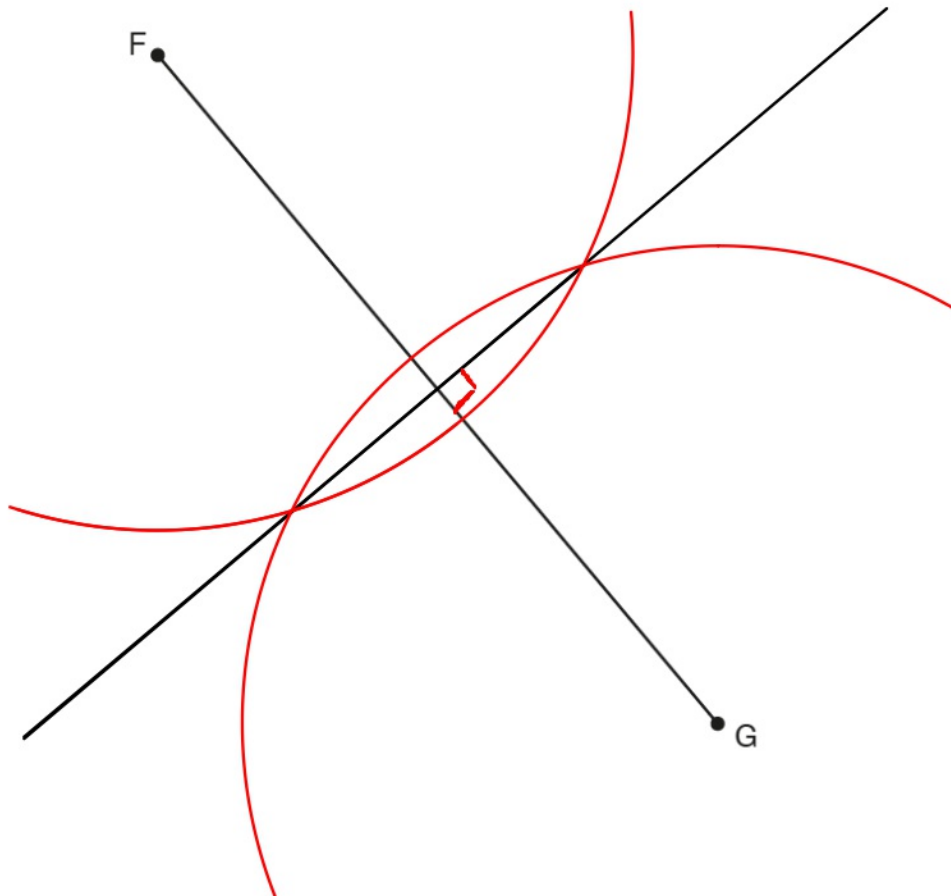
G13



[2]

15 Using ruler and compasses only, construct the perpendicular bisector of FG.

G13

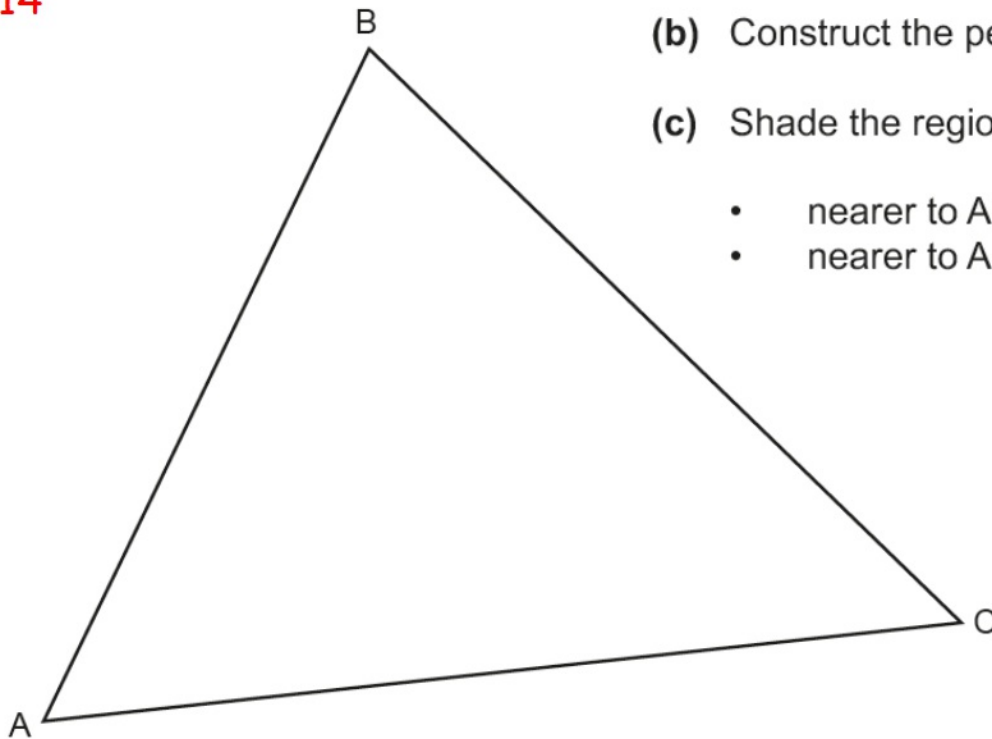


[2]

7 The diagram shows triangle ABC.

G13

G14



(a) Construct the bisector of angle BAC. [2]

(b) Construct the perpendicular bisector of AC. [2]

(c) Shade the region inside triangle ABC that is

- nearer to AC than to AB
- nearer to A than to C.

[1]

7 The diagram shows triangle ABC.

G13

G14

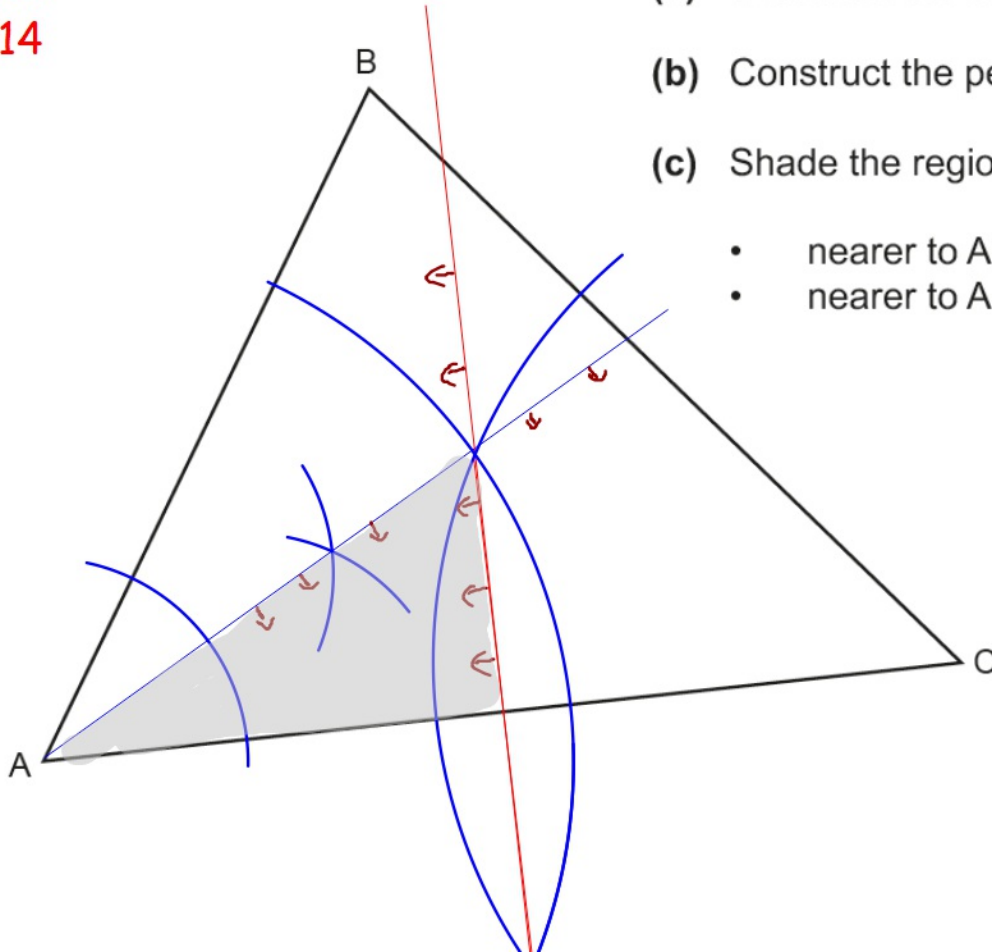
(a) Construct the bisector of angle BAC. [2]

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- nearer to A than to C.

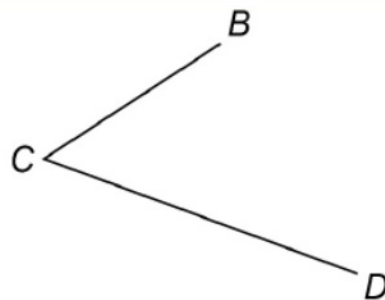
[1]



21 (a) Joe wants to bisect angle BCD .

Video created by W Neill

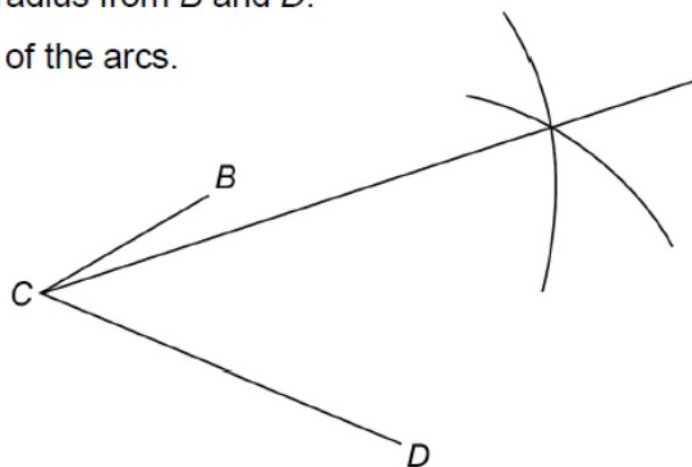
G13



Here is his method.

Use a pair of compasses to draw arcs of the same radius from B and D .

Draw a straight line from C through the intersection of the arcs.



Write down the error in his method.

[1 mark]

Video created by W Neill

21 (b) Kay wants to show all the points 3 km from point P .

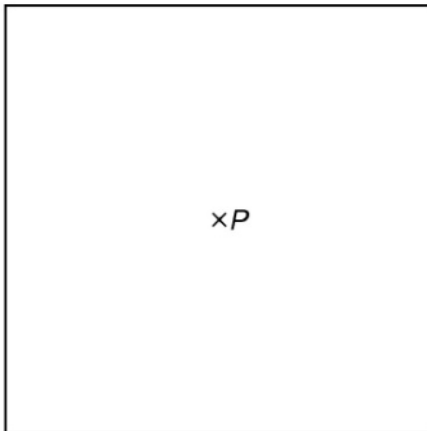
G13

Scale: 1 cm represents 1 km

$\times P$

Here is her answer.

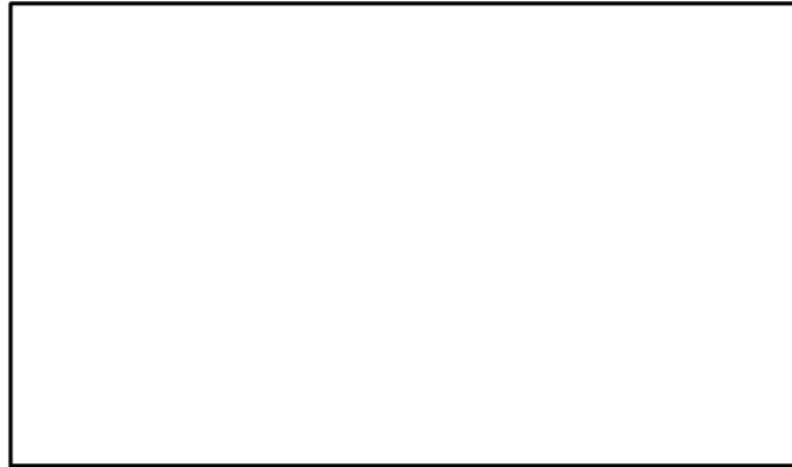
Scale: 1 cm represents 1 km



What is wrong with her answer? **[1 mark]**

21 (c) Here is a rectangle.

G13



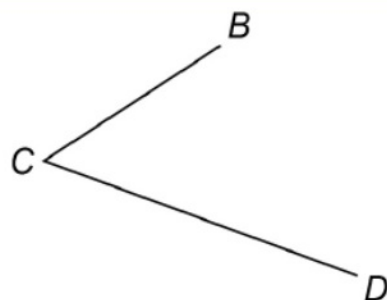
Using a pair of compasses and a straight edge, construct **one** line of symmetry.
Show clearly your construction arcs.

[2 marks]

21 (a) Joe wants to bisect angle BCD .

Video created by W Neill

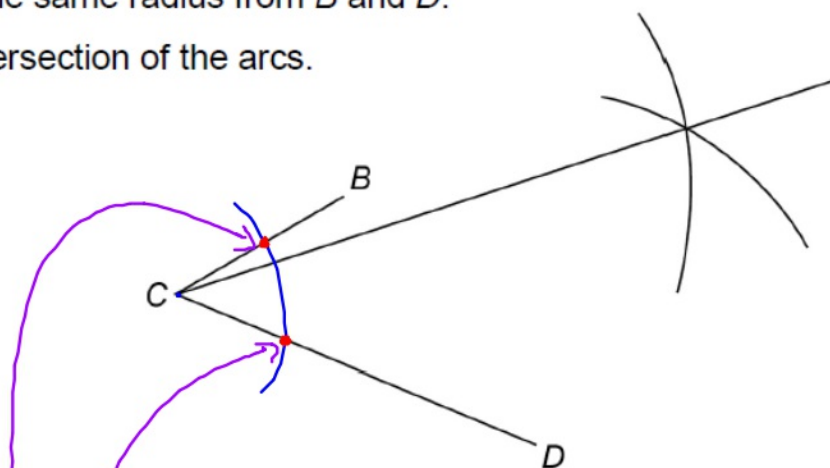
G13



Here is his method.

Use a pair of compasses to draw arcs of the same radius from B and D .

Draw a straight line from C through the intersection of the arcs.



Write down the error in his method.

[1 mark]

He should have placed his compass on point C and made his first
arc from there. Then make final arcs from the two points made

21 (b) Kay wants to show all the points 3 km from point P .

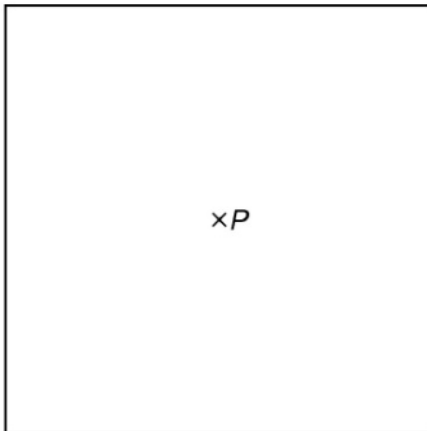
G13

Scale: 1 cm represents 1 km

$\times P$

Here is her answer.

Scale: 1 cm represents 1 km

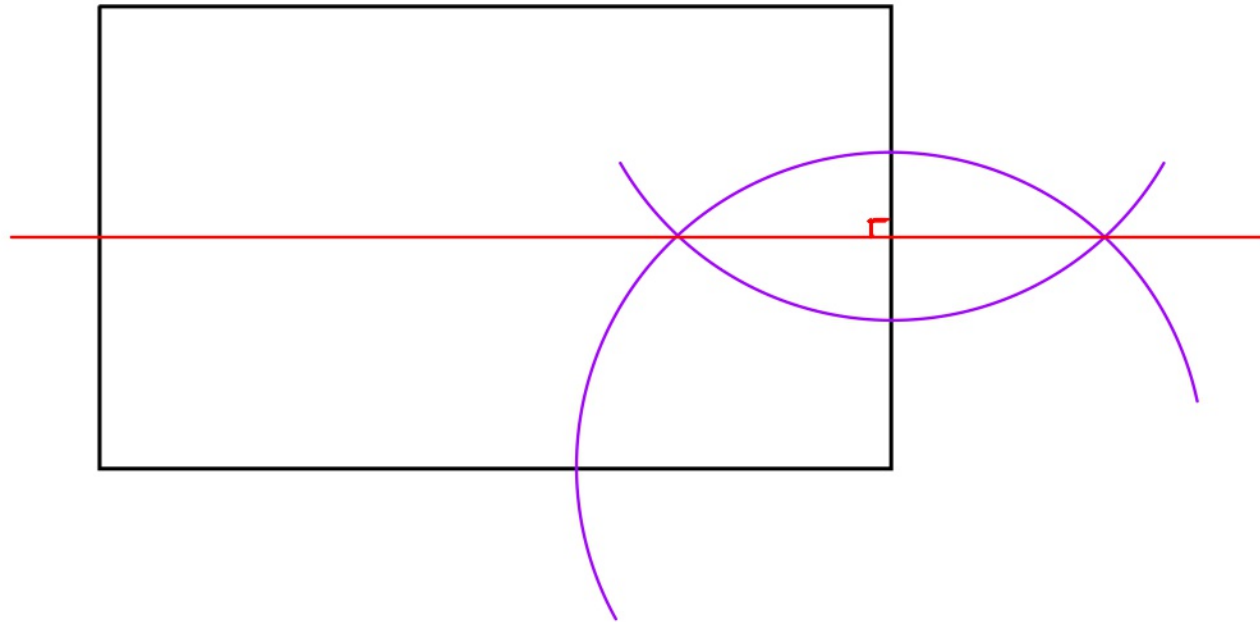


What is wrong with her answer? [1 mark]

Should be a circle around point p .

21 (c) Here is a rectangle.

G13



Using a pair of compasses and a straight edge, construct **one** line of symmetry.
Show clearly your construction arcs.

[2 marks]

Edexcel

AQA

Video created by W Neill

10 Construct a locus of points that are the same distance from points A and B .

[2 marks]

G13

•
 A

•
 B

Video created by W Neill

10

Construct a locus of points that are the same distance from points A and B .

[2 marks]

G13

