GCSE Revision Video 71

- **Prior Checklist:** A pack of A5/A6 revision cards.

  A pen.

- **Our Video Structure:**

  Back to Basics: Quick re-cap.

  Core: *Create* your own revision cards with exam style questions.

  Let's Do It!: *Apply* your revision cards to another set of exam style questions.

Instructions: **Print out** this worksheet and watch the revision video simultaneously.

Pause and Play the video unlimited times to review your work and write the answers in the blank spaces. Once you have written your answers, check these with the tutorial answers, as explained in the video.

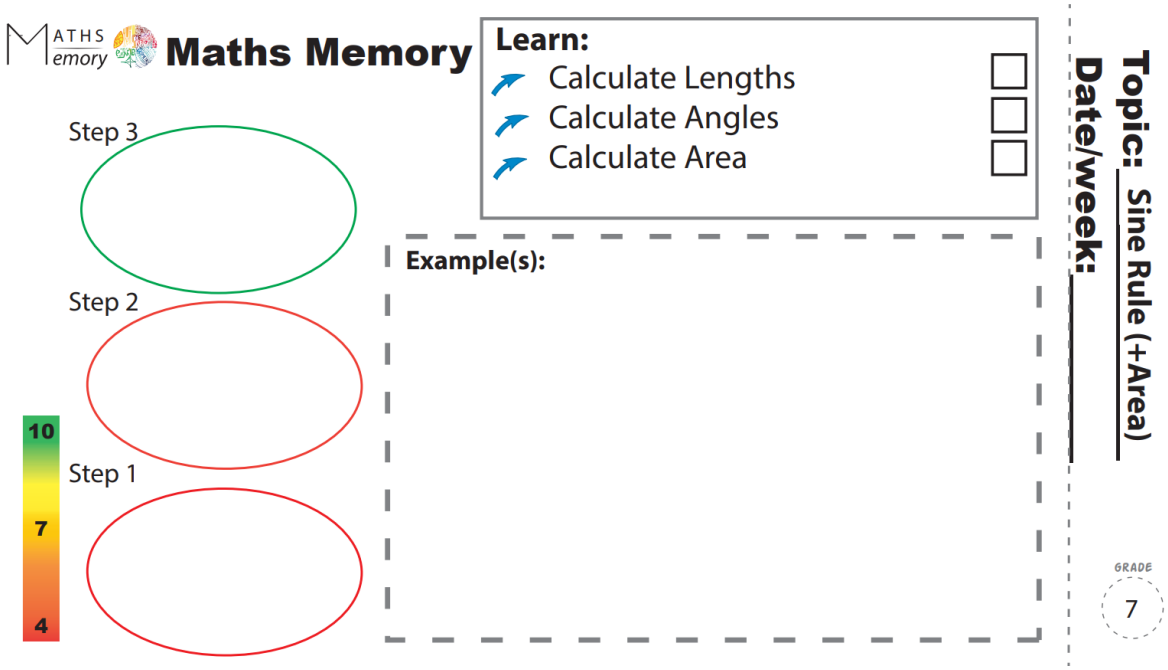
Create your OWN revision cards when prompted on the worksheet (Back to Basic and Core sections).

Apply your OWN revision cards (Let's Do It! section).

Self Assess yourself (Out of 10) on your revision planner after you have completed the revision video.

WATCH this revision video and MANY others on our FULL courses at www.mathsmemory.co.uk

Let's get started and create our Master revision card with this suggested template.

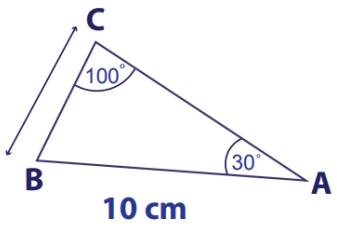


Back to Basics- Starter questions to warm you up

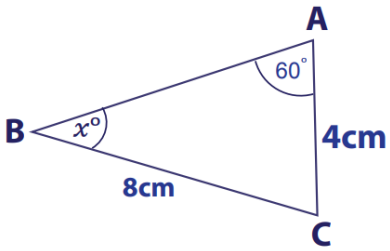
Back to Basics Topic: Sine Rule and Area

Question 1

a) Calculate the unknown length BC



b) Calculate the unknown angle ABC



Calculator

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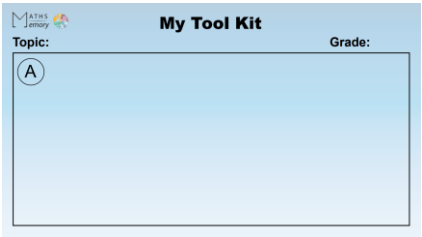
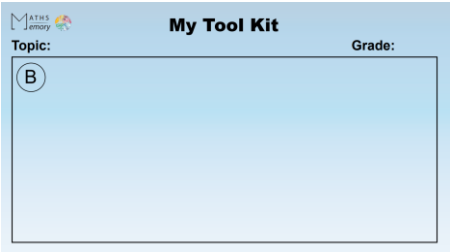
Let's get our revision card and create Section A. Look at video for guidance



Let's get our revision card and create Section B. Look at video for guidance



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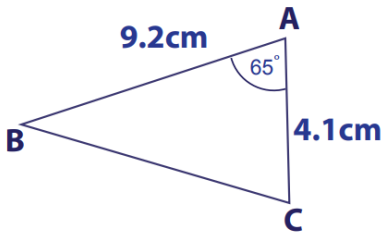
Back to Basics

Topic: Sine Rule and Area

Question 2

Calculate the area of triangle ABC



Calculator

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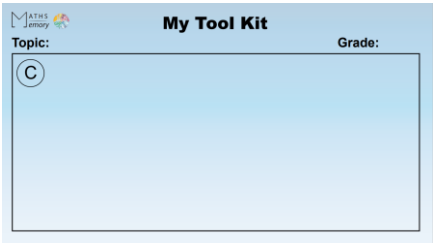
Let's get our revision card and create Section C. Look at video for guidance



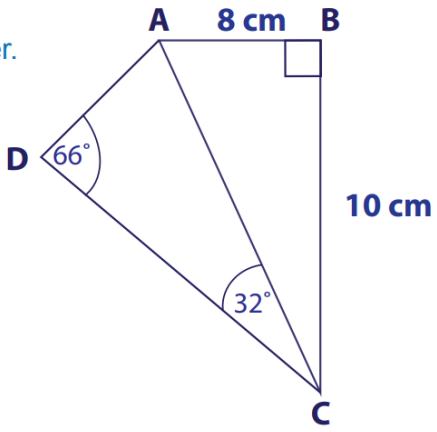
Core 1

Topic: Sine Rule and Area

Question 1

The diagram shows two triangles adjoined to one another.
AB = 8cm BC = 10cm
Angle ADC = 66° Angle DCA = 32°

Calculate the length AD



Grade 7 (3 Marks)
Calculator

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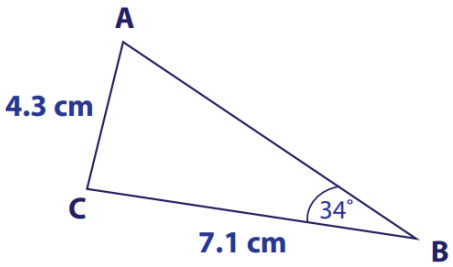
Question 2

The diagram shows triangle ABC
AC = 4.3 cm CB = 7.1cm
Angle ABC = 34°

Calculate the area of triangle ABC



Grade 7 (4 Marks)
Calculator

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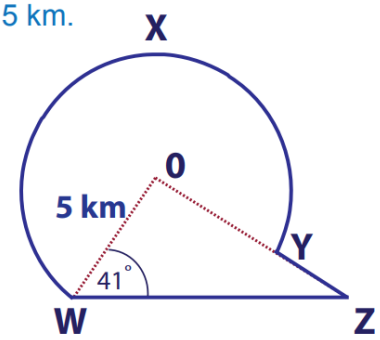
Question 3

A footpath comprises of both an arc WXY and a partial triangle WZY .The arc is 9.6km and forms part of a sector,centre O, radius 5 km.
WOZ is a triangle.
Angle OWZ = 41°

Calculate the perimeter of the footpath
(Calculate to 3 significant figures).



Grade 8 (6 Marks)
Calculator

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Let's Do It!- Apply your revision cards to another set of exam style questions

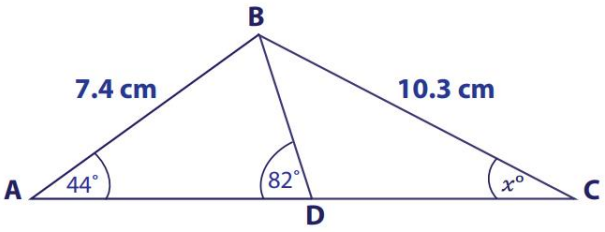
MATHS memory

Let's Do It!

Topic: Sine Rule and Area

Question 1

ABC is a triangle. D is a point on line AC
AB = 7.4 cm and BC = 10.3 cm
Angle BAD = 44° Angle BDA = 82°
Calculate the angle DCB



Grade 7 (4 Marks)

Calculator

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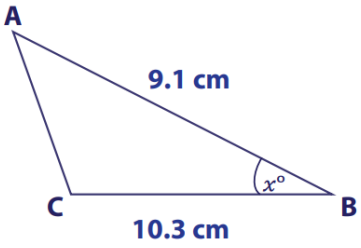
Question 2

The area of the triangle ABC is 22cm^2
AB = 9.1cm CB = 10.3cm

Calculate the angle ABC



Grade 7 (4 Marks)
Calculator

Congratulations. You have completed this topic.

Now go back to your revision planner and rate yourself out of 10.

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