

Trigonometry

Week 9

Lesson Time : 20-25 Minutes
Course : Foundation or Higher
Grade : 5

Back to Basics

Core

Let's Do It!

GCSE Revision Video 44

- **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.

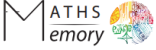
Create your OWN revision cards when prompted on the worksheet (Back to Basic and Core sections).

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.


MATHS  **Maths Memory**

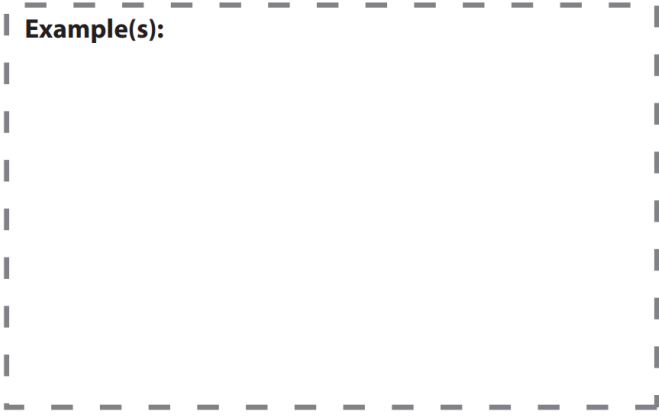
Learn:

-  Calculate Lengths
-  Calculate Angle
-  Worded problems

Step 3 

Step 2 


Step 1 

Example(s): 

Topic: Trigonometry

Date/week: _____

GRADE **5**



10
7
4

Back to Basics- Starter questions to warm you up

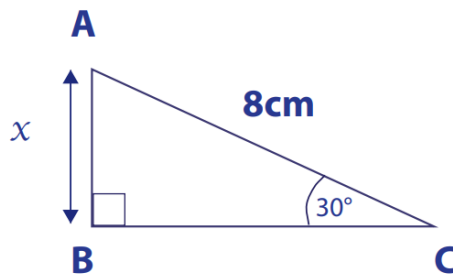


Back to Basics

Topic: Trigonometry

Question 1

ABC is a right angle triangle
Find the unknown length AB

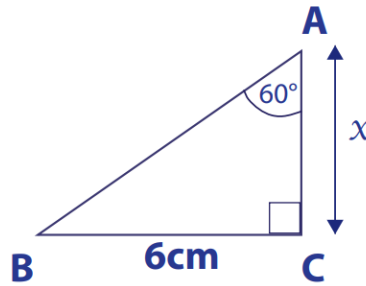


Calculator



Question 2

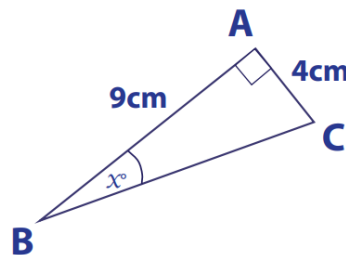
ABC is a right angle triangle
Find the unknown length AC
Give your answer to 3 significant figures.



Calculator

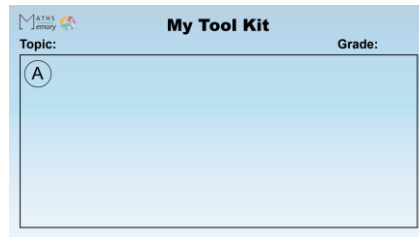
Question 3

ABC is a right angle triangle.
Find the unknown angle $\hat{A}BC$
Give your answer to 3 significant figures.



Calculator

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



Core- Create your revision cards with these exam style questions

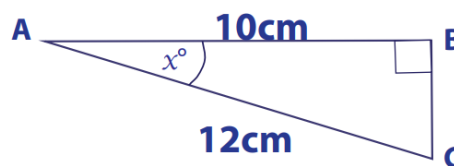


Core 1

Topic: Trigonometry

Question 1

- a) Calculate the angle BAC.
Give your answer to 3 significant figures.



Grade
5 (2 Marks)
Calculator



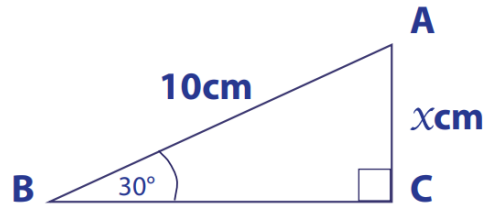
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Question 2

a) Write down the exact value of $\cos 30^\circ$

(1 Mark)

b) Given that $\sin 30^\circ = 0.5$
Work out the value of x

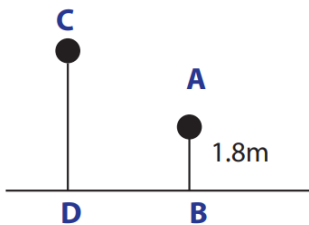


Grade

5 (2 Marks)

Question 3

The diagram shows two lamp posts, AB and CD on a horizontal ground.



$AB = 1.8\text{m}$

$CD : AB = 2.5 : 1$

The angle of elevation of C from A is 55°

Calculate the length of BD.

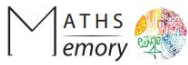
Give your answer to 3 significant figures.

Grade

6 (3 Marks)

Calculator

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

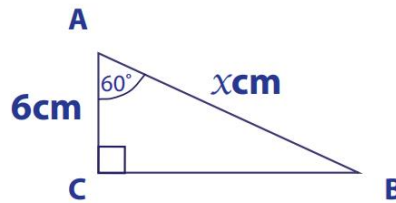


Let's Do It!

Topic: Trigonometry

Question 1

Given that $\cos(60^\circ) = 0.5$, find length AB



Grade

5 (2 Marks)

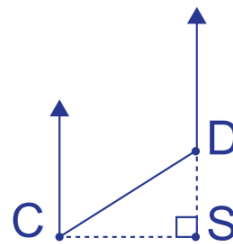


Let's Do It!

Topic: Trigonometry

Question 2

The diagram shows two towns C and D.
Ship S is exactly 5 km due east of town C
and exactly due south of town D.
Town C is on a bearing of 215° from town D.
Find the distance, ship S is due south of town D.



Grade

5 (3 Marks)

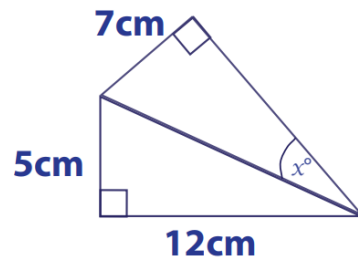
Calculator



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Question 3

Find the unknown angle



Work out the size of the angle marked x
Give your answer to 3 significant figures.

Grade

5 (3 Marks)

Calculator

Congratulations. You have completed this topic.

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