

Similar Shapes

Week 8

Lesson Time : 15-20 Minutes

Course : Foundation or Higher

Grade : 4/5

Back to Basics

Core

Let's Do It!

GCSE Revision Video 40

- **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 Memory

Learn:

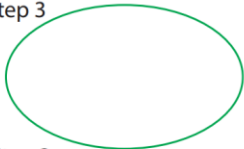
- Calculate Scale factor
- Combined Shapes

Topic: Similar Shapes


Date/week: _____

Example(s):


Step 3




Step 2



Step 1





GRADE
4/5

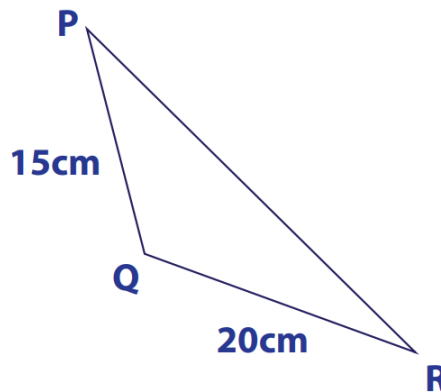
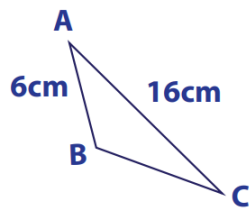
Core- Create our revision cards with these exam style questions



Core 1

Topic: Similar Shapes

Question 1



ABC and PQR are similar triangles.

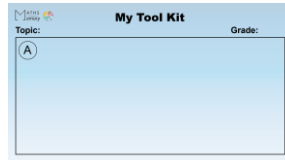
- a) Work out the length PR.

- b) Work out the length BC.

Grade
4 (4 Marks)



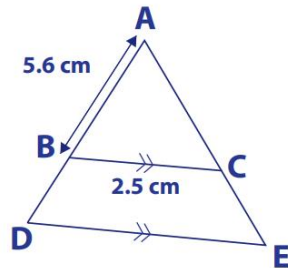
Let's get our revision card and create Section A. Look at video for guidance.



Core 2

Topic: Similar Shapes

Question 2



Triangles ABC and ADE are similar triangles. BC and DE are parallel lines.

$AD = 8.4$, $AB = 5.6$ cm, $BC = 2.5$ cm.

a) Work out the length DE.

b) $AE = 9$ cm. Work out length CE.

Grade

5 (4 Marks)

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



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



Let's Do It!

Topic: Similar Shapes

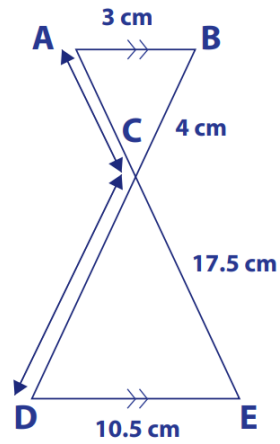
Question 1

AB and DE are parallel lines.

Find

a) Length DC

b) Length AC



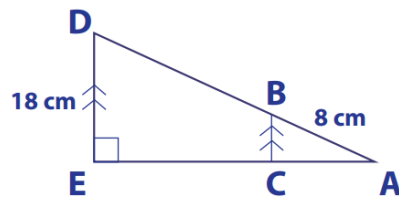
Grade

4 (4 Marks)



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Question 2



AB: AD = 1: 4. Triangles ABC and Triangle ADE share the same angle A. DE and BC are parallel lines

AB = 8 cm, DE = 18cm

a) Calculate length BD

b) Calculate length BC

c) Calculate length AC (Calculate to 2 decimal places)

Grade

5 (6 Marks)
Calculator

Congratulations. You have completed this topic.

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