

Scale Drawing

Week 5

Lesson Time : 10-15 Minutes

Course : Foundation or Higher

Grade : 4

Back to Basics

Core

Let's Do It!

GCSE Revision Video 23

- **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:

- Estimate scale (Real life)
- Calculate Model : Real $\overset{\times}{\curvearrowright}$
- Calculate Model : Real $\underset{\div}{\curvearrowright}$

Step 3

Step 2

Step 1

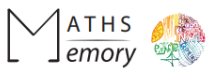
Example(s):

Topic: Scale Drawing

Date/week: _____

GRADE
4

Back to Basics- Starter questions to warm you up



Back to Basics

Topic: Scale Drawing

Question 1

Michael builds a model toy car. The scale model is 1:100

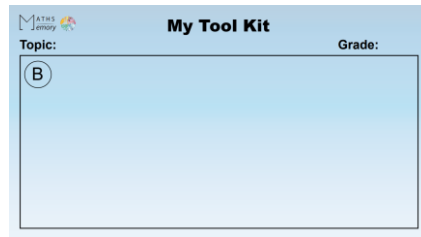
- a) If the model is 5 cm, what is the real life size of the car.

- b) If the real life size of the car is 300cm, what is the model size of the car (in cm)

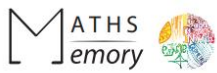
Let's get our revision card and create Section A. Look at video for guidance.



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



Core- Create your revision cards with these exam style questions



Core 1

Topic: Scale Drawing

Question 1

The diagram shows man and a building.



The man is of average height. The man and the building are drawn to the same scale.

a) Write an estimate for the real height, in metres, of the man.

b) Find an estimate for the real height, in metres, of the building.

Grade
4 (2 Marks)



Question 2

The length of a plane is 16.2 metres.

Alex buys a scale model of the plane.

The scale of the model is 1:18

Work out the length of the scale model of the plane.

Give your answer in centimetres.

Grade

4 (3 Marks)
Calculator**Let's Do It!** - Apply your revision cards to another set of exam style questions**Question 1**

A map has a scale drawing of 1 :20000.

a) Janet walks 8cm on the map. How far is this in metres?

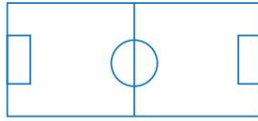
b) She then walks a further 0.5km. What is this distance , in centimetres, on the map?

Grade

4 (5 Marks)
Calculator

Question 2

The diagram shows a scale drawing of a football pitch. It's model length is 6 cm and it's model width is half of this.



The scale of the drawing is 1: 2000

Work out the perimeter of the real football pitch. Give your answer in metres.

Grade
4 (5 Marks)

Congratulations. You have completed this topic.

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