

Wednesday 3<sup>rd</sup> June 2020

Good Morning everyone! You are all working from home today so here are your home-learning tasks for the day.

But before we get started - here are the answers for yesterday's maths questions.

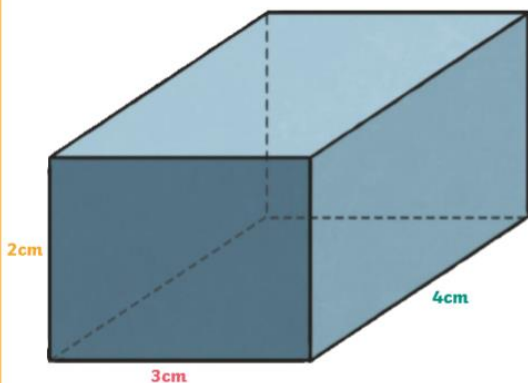


<u>Section A</u>	<u>Section B</u>	<u>Section C</u>
$23 \times 45 = 1,035$	$167 \times 32 = 5,344$	$6732 \times 15 = 100,980$
$67 \times 23 = 1,541$	$238 \times 24 = 5,712$	$2776 \times 29 = 80,504$
$91 \times 17 = 1,547$	$765 \times 13 = 9,945$	$3467 \times 34 = 117,878$
$75 \times 32 = 2,400$	$391 \times 52 = 20,332$	$1285 \times 53 = 68,105$
$18 \times 34 = 612$	$412 \times 67 = 27,604$	$1672 \times 65 = 108,680$
$62 \times 15 = 930$	$342 \times 31 = 10,602$	$8342 \times 23 = 191,866$
$56 \times 37 = 2,072$	$295 \times 28 = 8,260$	$3567 \times 68 = 242,556$
$21 \times 21 = 441$	$432 \times 72 = 31,104$	$7884 \times 45 = 354,780$
$46 \times 18 = 828$	$244 \times 18 = 4,392$	$3489 \times 92 = 320,988$
		$1245 \times 88 = 109,560$
		$85,872 \times 45 = 3,864,240$

Maths Task - Finding the volume of a cube / cuboid.

# Volume

3D shapes have volume



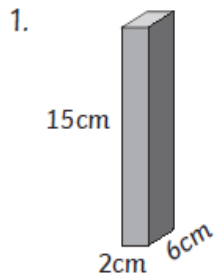
A cuboid has three dimensions that can be measured. Its height, its width (sometimes referred to as depth) and its length. To find the volume of the shape you need to multiply all of the measurements. A shape's volume is the amount of space it is taking up.

You will need to use your skills for multiplication to find the volume of all the cuboids on the next page.

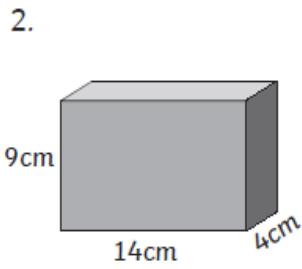
You only need to record your calculations in your exercise books.

**Length x width x height**

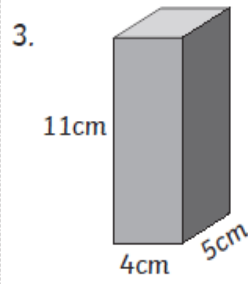
$$4 \times 3 \times 2 = 24\text{cm}^3$$



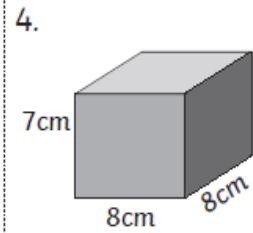
Volume =



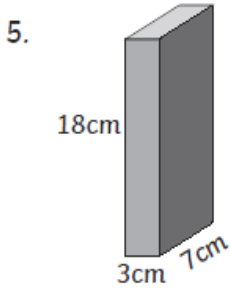
Volume =



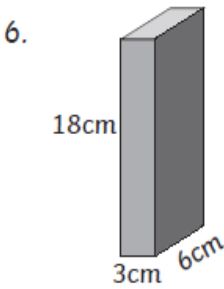
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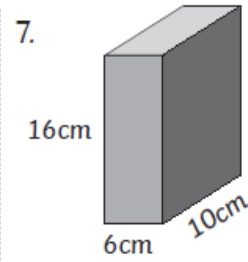
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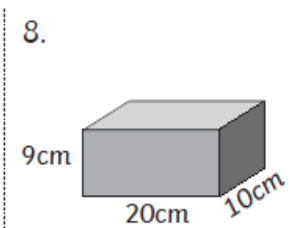
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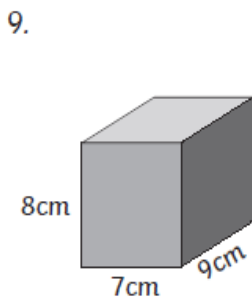
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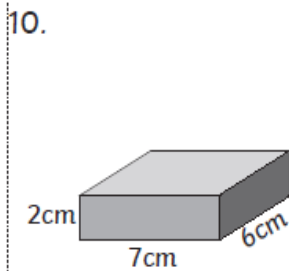
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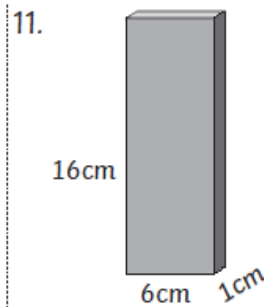
Volume =



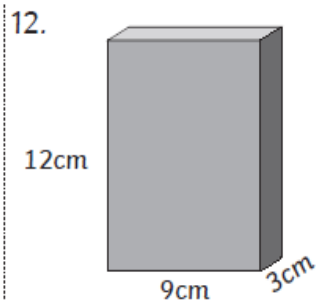
Volume =



Volume =



Volume =



Volume =

Here's a challenge - can you find the missing measurements and complete the table below.

HINT: You may need to use inverse to help find the answer.

Height	Width / Depth	Length	Volume $\text{cm}^3$
20cm	13cm		$520\text{cm}^3$
6cm		4cm	$192\text{cm}^3$
10cm	10cm		$1000\text{cm}^3$
	16cm	8cm	$640\text{cm}^3$

## English Task 1. Active and Passive voice

Remember you can usually recognise a passive sentence if the sentence contains a verb followed the word 'by'. Or you could add 'by' to the end of the sentence like in the example below.

Here are two sentences.

### ACTIVE

Daniel broke his finger.

### PASSIVE

Daniel's finger was broken. (by)

If you feel like you need a recap with active and passive voice then there are some videos and activities here:

<https://www.bbc.co.uk/bitesize/articles/zbngrj6>

**ACTIVE VOICE** and **PASSIVE VOICE**

The **active voice** of a verb tells us that someone (or something) does the action in a sentence.

James watered the flowers.

The **passive voice** of a verb tells us that someone (or something) has an action done to them.

The flowers were watered by James.

Sarah finished the homework.

The homework was finished by Sarah.

The puppy chewed the shoe.

The shoe was chewed by the puppy.

Can you change this sentence so the verb is in the **passive voice**?  
The horse ate the carrot.

Can you change this sentence so the verb is in the **active voice**?  
The book was written by Sam.

Complete the following activity in your books.

Rewrite each of the following sentences using a **passive** form of the verb.

1. Greta skilfully milked the cow.
2. The loggers cut down a giant redwood tree.
3. The immune system defends the body from infection.
4. The examiners will carefully mark your papers.
5. A dog bit two children in the park.
6. Mr Thompson told some hilarious jokes.

Now rewrite these sentences using an **active** form of the verb:

1. Philip was persuaded to come along by Gloria.
2. Drivers who break the speed limit will be caught by automatic cameras.
3. The field was ploughed by the farmer with his blue tractor.
4. The cake was cut.
5. Our garden is well looked after by the neighbour.

### Task 3 – Science – Evolution and Inheritance.

It is impossible to tell what dinosaurs were really like. No human was around at the time of the dinosaurs to document or record what dinosaurs looked like or how they behaved. Scientist used fossilised remains to help them understand what life might have been like for these mighty creatures. The scientist study the adaptations and differences of the different skeletons that have been found to inform them of what life may have been like. Sharp claws and teeth suggest a predator that likes to eat meat for example.

Look at the passage below and fill in the blanks with the most appropriate word. Copy the writing up into your exercise books.

#### Dinosaurs

Dinosaurs are a group of \_\_\_\_\_ that lived between 230 and 65 million years ago during the \_\_\_\_\_ Era. This was a time when the land formed just one \_\_\_\_\_ which was hot, dry and desert like. However, earthquakes and \_\_\_\_\_ helped split the land into two. Eventually, \_\_\_\_\_ fell and rainfall increased, leading to the growth of more green, leafy plants. Then the land separated further, into some of the continents we know today.

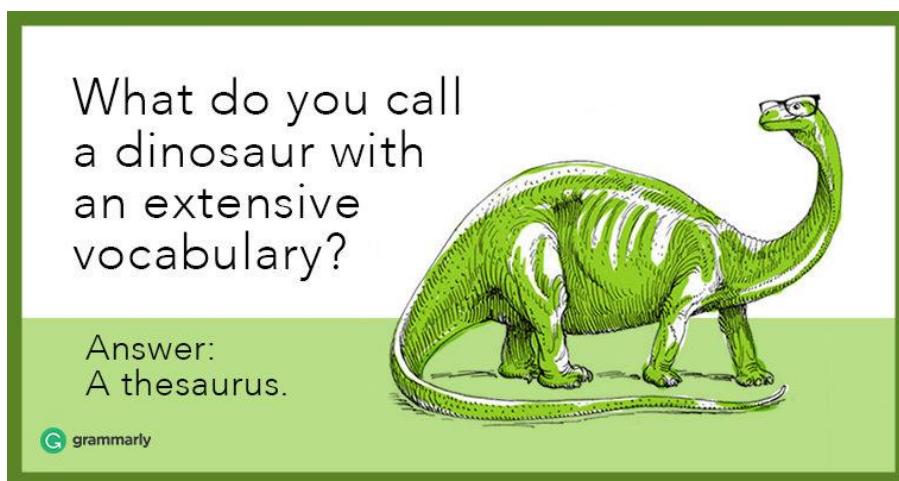
Dinosaurs \_\_\_\_\_ differently depending on where they lived. They came in many different shapes and sizes, ranging from the chicken-sized Compsognathus, to the gigantic Diplodocus, one of the \_\_\_\_\_ animals to have ever walked the Earth. This allowed them to survive in a variety of different \_\_\_\_\_.

The word dinosaur comes from the \_\_\_\_\_ language, meaning 'terrible lizard'. Scientists who study dinosaurs are called \_\_\_\_\_. They study the \_\_\_\_\_ of animals and plants that lived a very, very long time ago.

Meat eating dinosaurs like the \_\_\_\_\_, would often be fast, with sharp teeth and \_\_\_\_\_. Plant eating dinosaurs like the \_\_\_\_\_, often developed spikes, horns or tough skin to protect themselves.

Suddenly, some 65 million years ago, dinosaurs \_\_\_\_\_ completely, except for \_\_\_\_\_, which are descended from meat eating dinosaurs. Experts think that there must have been a catastrophic event, such as an asteroid impact or volcanic eruption. These events could have blocked out the \_\_\_\_\_, changing conditions on \_\_\_\_\_.

birds	temperatures	largest	sunlight	reptiles	Tyrannosaurus Rex	claws	Stegosaurus	Mesozoic
Greek	disappeared	continent	volcanoes	fossils	evolved	Earth	palaeontologists	ecosystems



Keep up the good work everyone.

Mr Thompson