

Mr Coles' 10M1 Maths Weekly Task Grid – Week commencing 27th April

Choose 1 purple task, 1 orange task, 1 green task and 2 yellow tasks from the grid. Complete them this week.

NEW

Task 1

Create a [mind map](#) of all the things you know about **Vectors** .
I am referring to vector basics such as adding and subtracting vectors (column vectors) as well. They have come up on recent exams
When you learn something new, add it to your map.

Task 2

Vectors 1 & 2 on the MyMaths Website. Vectors 2 is Grade 7/8 and above, but it comes up every year on exams.
www.mymaths.co.uk
Again, I recommend watching the videos (this time on MathsGenie) as well if you find it difficult

NEW

Task 3

Watch the **Vectors** [video on MathsGenie](#), have a go at [\(most\) of these](#) and see [answers here](#).



Don't let it defeat you, I am here to help with them. Just email me.

Task 4

Create a poster/PowerPoint/revision cards on **Vectors**

Website to help:

[Google](#)

Task 5

Make a quiz/powerpoint/Kahoot on questions involving Vectors.

Questions can involve anything to do with them (proofs or made up questions). The more unique the better!

Any excellent efforts will be shared with everyone to complete next week!

Task 6

Attend my Zoom lesson Tuesday 1-2pm.

You must send me an email before to confirm you'll be attending.

You must use your own name.

You don't have to have your video on but use your mic or the chat to answer questions. I'd prefer to hear you as it makes everything move much faster...

Task 7

Functional:

The diagram shows the floor of a village hall.

The caretaker needs to polish the floor.

One tin of polish normally costs £19

One tin of polish covers 12 m² of floor.

There is a discount of 30% off the cost of the polish.

The caretaker has £130

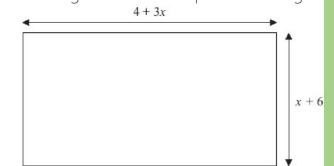
Has the caretaker got enough money to buy the polish for the floor?
You must show all your working.

I've enlarged this on the next pages

Task 8

Problem Solving:

The diagram shows a garden in the shape of a rectangle.



All measurements are in metres.

The perimeter of the garden is 32 metres.

Work out the value of x .

I've enlarged this on the next pages

NEW

Task 9

Try at least 4 of these [animal tangrams](#) and then screenshot them to upload to SMHW



Task 10

Watch The Christmas Lectures [video](#) on "What Happens when Maths goes wrong"

It is [excellent!](#)

Task 11

Answer this Riddle:

You have 14 brown socks, 14 blue socks and 14 black socks in your sock drawer. How many socks must you remove (without looking to be sure) to have a matched pair?

Task 12

Go to www.mrcartermaths.com

Log on with the following details:

U: student@stocksbridgehigh.co.uk

P: Prism240

Click on *secondary* > *geometry*

Go to *Bronze Silver Gold*

And select **Vectors**

Do as many questions as you like and then check your answers.

Task 7

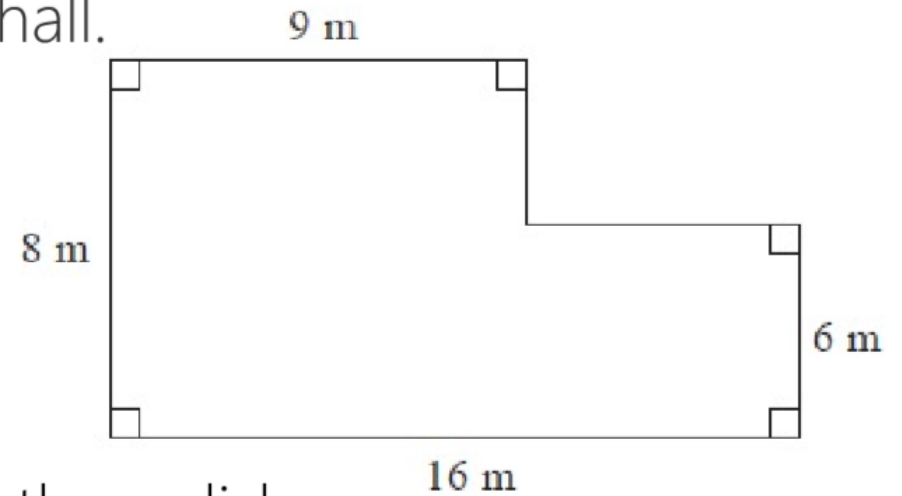
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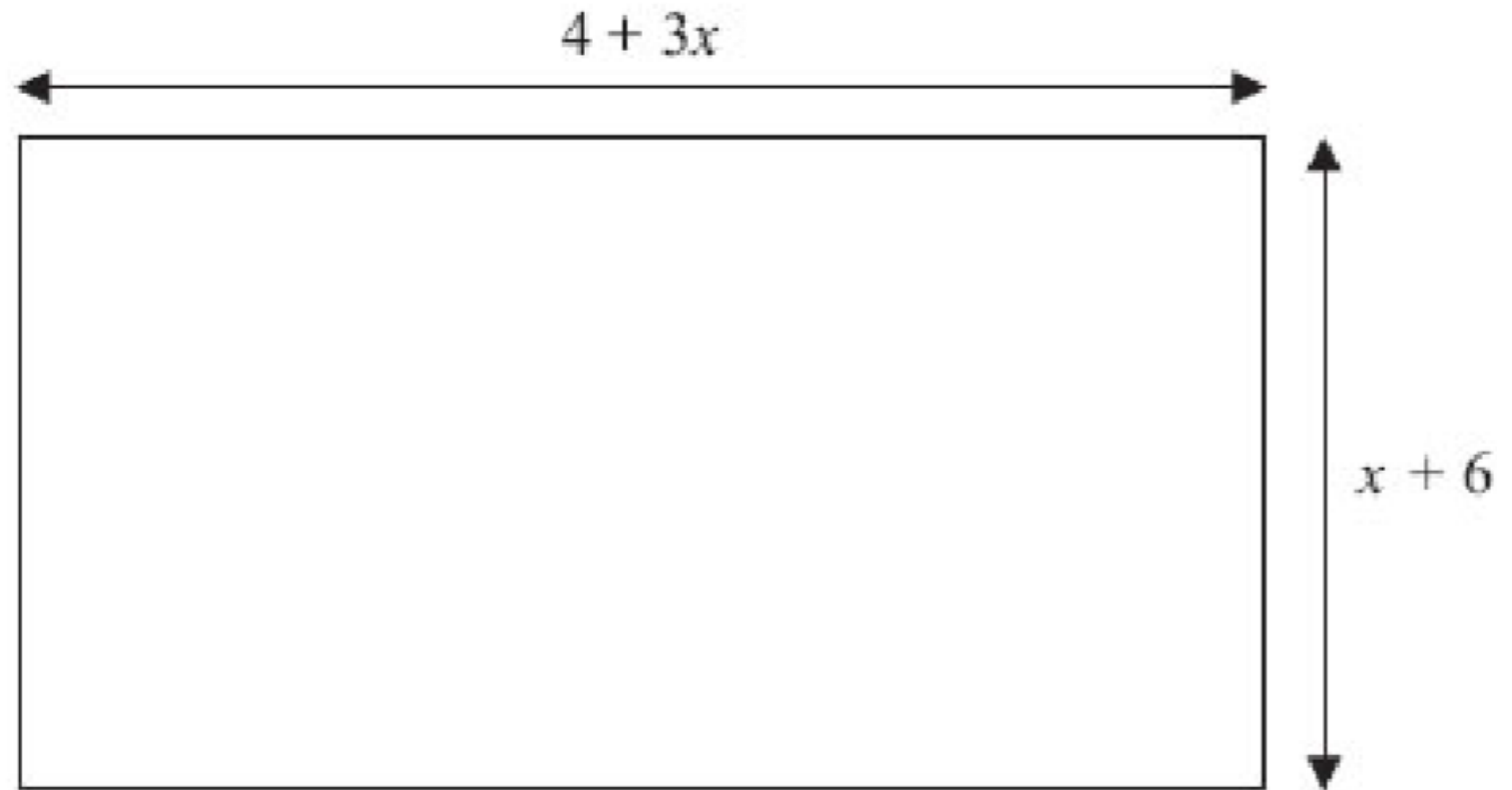
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