

Column Vectors

Week 6

Lesson Time: 10-15 Minutes **Course**: Foundation or Higher

Grade: 5

Back to Basics

Core

Let's Do It!

GCSE Revision Video 27

• **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).

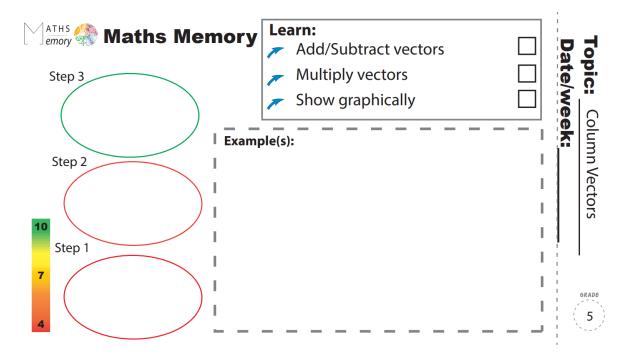
Apply your OWN revision cards (Let's Do It! section).

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.



Back to Basics- Starter questions to warm you up



Back to Basics Topic: Column Vectors

Question 1

Translate this shape with column vector $\begin{pmatrix} 2\\3 \end{pmatrix}$



Core- Create your revision cards with these exam style questions



Core 1

Topic: Column Vectors

Question 1

a)

$$a = \begin{pmatrix} 4 \\ 1 \end{pmatrix} \qquad b = \begin{pmatrix} -2 \\ 3 \end{pmatrix}$$

Work out 3a +b as a column vector.

b)

$$a = \begin{pmatrix} 3 \\ -2 \end{pmatrix} \qquad b = \begin{pmatrix} -1 \\ 4 \end{pmatrix}$$

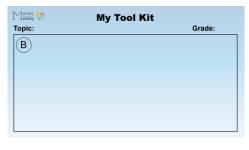
Work out 2a - 3b as a column vector.



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.





© 2022 MathsMemory

Question 2

$$a = \begin{pmatrix} 2 \\ -1 \end{pmatrix}$$
 $b = \begin{pmatrix} 2 \\ -2 \end{pmatrix}$

On the grid below, draw and label the vector



Grade



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



Let's Do It!

Topic: Column Vectors

Question 1

a)

$$a = \begin{pmatrix} 2 \\ 1 \end{pmatrix} \qquad b = \begin{pmatrix} 3 \\ -2 \end{pmatrix}$$

Work out 2a +b as a column vector.

b)

$$a = \begin{pmatrix} -3 \\ 2 \end{pmatrix} \qquad b = \begin{pmatrix} 1 \\ -4 \end{pmatrix}$$

Work out 3a - 2b as a column vector.

Grade





© 2022 MathsMemory



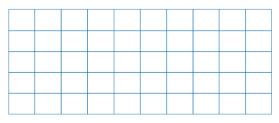
Let's Do It!

Topic:Column Vectors

Question 2

$$a = \begin{pmatrix} 2 \\ -1 \end{pmatrix}$$
 $b = \begin{pmatrix} -1 \\ 1 \end{pmatrix}$

On the grid below, draw and label the vector



Grade



(2 Marks)

Congratulations. You have completed this topic.

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

