

S1 Classes:

'P' and 'Q' classes:

All work can found on the website www.corbettmaths.com To find the video lessons , click the (**Video and worksheets**) link at top of corbettmaths webpage , then scroll down to find video number to watch the lesson, then do the textbook exercise .

Please find the video numbers below for each lesson

Lesson 1: Multiples and lowest common multiple (LCM)

Watch [Video 218](#) then do [Textbook Exercise](#)

Lesson 2 : Common Factors and the highest common factor(HCF)

Watch [Video 219](#) then do [Textbook Exercise](#)

Lesson 3 : Prime numbers

Watch [Video 225](#) then do [Textbook Exercise](#)

Lesson 4 : Prime decomposition

Watch [Video 223](#) then do [Textbook Exercise](#)

Simplifying ratios -

<http://corbettmaths.com/2013/03/03/simplifying-ratio/>

<https://corbettmaths.com/wp-content/uploads/2013/02/simplifying-ratios-pdf1.pdf>

Sharing total –

<http://corbettmaths.com/2013/03/03/ratio-sharing-the-total/>

<https://corbettmaths.com/wp-content/uploads/2013/02/ratio-sharing-the-total-pdf.pdf>

Given one Value -

<http://corbettmaths.com/2013/05/16/ratio-given-one-quantity/>

<https://corbettmaths.com/wp-content/uploads/2018/12/Given-one-value-pdf-1.pdf>

Mr Appianing's class:

<https://corbettmaths.com/contents/>

Look at the videos, Practice Questions and Textbook Exercises for 2D shapes: names, 3D shapes: names, Addition: column method. You can check your answers when you have finished the exercises.

Videos and Worksheets

[Click here for answers](#)

2D shapes: names [Video 1](#) [Practice Questions](#) [Textbook Exercise](#)

2D shapes: quadrilaterals [Video 2](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: names [Video 3](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: nets [Video 4](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: vertices, edges, faces [Video 5](#) [Practice Questions](#) [Textbook Exercise](#)

Addition: column method [Video 6](#) [Practice Questions](#) [Textbook Exercise](#)

S2 Classes:

'P' Classes:

Lesson 1

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

Lesson 2

<https://www.bbc.co.uk/bitesize/articles/zj3492p>

Lesson 3

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

Lesson 4

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

Lesson 5

<https://www.bbc.co.uk/bitesize/articles/zfghpg8>

'Q' Classes:

Percentages 1

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/zk8hpg8>

Percentages 2

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/z4khpg8>

Percentages 3

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/z7xgrj6>

Ratio Lesson 1

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/zb9thbk>

Ratio Lesson 2

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/zmnk8xs>

Ratio Lesson 3

<https://www.bbc.co.uk/bitesize/topics/zghnb9q/articles/zfcx6v4>

Mr Appianing's class:

<https://corbettmaths.com/contents/>

Look at the videos, Practice Questions and Textbook Exercises for 2D shapes: names, 3D shapes: names, Addition: column method. You can check your answers when you have finished the exercises.

Videos and Worksheets

Click here for answers

2D shapes: names [Video 1](#) [Practice Questions](#) [Textbook Exercise](#)

2D shapes: quadrilaterals [Video 2](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: names [Video 3](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: nets [Video 4](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: vertices, edges, faces [Video 5](#) [Practice Questions](#) [Textbook Exercise](#)

Addition: column method [Video 6](#) [Practice Questions](#) [Textbook Exercise](#)

Pupils progressing to National 5: (Current S4, S5)

Topic	Video Lesson	Worksheet
Expanding Brackets	https://corbettmaths.com/2013/12/23/expanding-two-brackets-video-14/	https://corbettmaths.com/wp-content/uploads/2013/02/expanding-two-brackets-pdf1.pdf
Completing the square	https://corbettmaths.com/2013/12/29/completing-the-square-video-10/	https://corbettmaths.com/wp-content/uploads/2013/02/completing-the-square-pdf1.pdf
Expanding three brackets	https://corbettmaths.com/2013/12/27/expanding-three-brackets-video-15/	https://corbettmaths.com/wp-content/uploads/2013/02/expanding-three-brackets-pdf.pdf
Factorising Quadratics	https://corbettmaths.com/2013/02/06/factorising-quadratics-1/	https://corbettmaths.com/wp-content/uploads/2013/02/factorising-quadratics.pdf
Factorising Quadratics more complex examples	https://corbettmaths.com/2019/03/26/splitting-the-middle-term/ https://corbettmaths.com/2013/02/07/factorising-quadratics-2/	https://corbettmaths.com/wp-content/uploads/2018/11/Factorising-harder-quadratics-pdf.pdf
Cross Multiplying	https://corbettmaths.com/2013/05/19/equations-cross-multiplication/	https://corbettmaths.com/wp-content/uploads/2013/02/cross-multiplication-pdf.pdf
Solving Equations involving fractions	https://corbettmaths.com/2013/05/25/algebraic-equations/	https://corbettmaths.com/wp-content/uploads/2013/02/equations-fractional-pdf.pdf
Solving equations - various	https://corbettmaths.com/2012/08/24/solving-equations-with-letters-on-both-sides/	https://corbettmaths.com/wp-content/uploads/2013/02/equations-pdf.pdf

Pupils progressing to Higher: (Current S4, S5)

Straight line

1. Gradient

Video: <https://www.youtube.com/watch?v=LkR5KQ0r4cg&t=6s>
<https://www.youtube.com/watch?v=wmbGXxEEe8Q&t=83s>

Worksheet: <https://www.highermathematics.co.uk/wp-content/uploads/2016/03/application/pdf/pdf/ES-29-FF.pdf>

2. Midpoints and Distance between 2 points

Video: <https://www.youtube.com/watch?v=DXe0rBsM7Aw&t=15s>
<https://www.youtube.com/watch?v=2dsZ7j2bQX8>

Worksheet/presentation:

<https://app.mymaths.co.uk/218-lesson/midpoint-and-line-length-2>

Online Hw: <https://app.mymaths.co.uk/218-homework/midpoint-and-line-length-2>

3. Collinearity

Video: <https://www.youtube.com/watch?v=XtfI8MnWrho&t=294s>

Worksheet:

4. Perpendicular gradients

Video: <https://www.youtube.com/watch?v=CSYmWs0LXgl>

5. Equation of a line

Video: <https://www.youtube.com/watch?v=TZA7C812dX8&t=9s>

Worksheet: <https://www.national5maths.co.uk/wp-content/uploads/2020/04/ES-18-FF.pdf>
<https://app.mymaths.co.uk/3270-lesson/equation-of-a-line-3>
<https://app.mymaths.co.uk/3270-homework/equation-of-a-line-3>

6. Perpendicular bisectors

Video: <https://www.youtube.com/watch?v=HJVUdOz3ovA&t=1s>

Worksheet: <https://www.highermathematics.co.uk/wp-content/uploads/2016/03/application/pdf/pdf/ES-2-FF.pdf>

7. Altitudes

Video: <https://www.youtube.com/watch?v=phgK8L-u6DY&t=4s>

Worksheet: <https://www.highermathematics.co.uk/wp-content/uploads/2016/03/application/pdf/pdf/ES-3-FF.pdf>

8. Medians

Video: <https://www.youtube.com/watch?v=jRyiuZxQt3w&t=2s>

Worksheet: <https://www.highermathematics.co.uk/wp-content/uploads/2016/03/application/pdf/pdf/ES-1-FF.pdf>

9. Points of intersection

Video: <https://www.youtube.com/watch?v=aZ0dvz20Fi4&t=2s>

Worksheet: <https://app.mymaths.co.uk/560-lesson/intersecting-lines>

Hw: <https://app.mymaths.co.uk/560-homework/intersecting-lines>

Revision + consolidation

Notes: <https://www.highermathematics.co.uk/wp-content/uploads/2018/01/application/pdf/pdf/Straight-Lines-1.pdf>

PPQ: <https://www.highermathematics.co.uk/wp-content/uploads/2018/01/application/pdf/pdf/Straight-Line.pdf>

Worksheet: <https://www.highermathematics.co.uk/wp-content/uploads/2018/03/application/pdf/pdf/Straight-Lines-NA-F.pdf>