2 Week Independent Learning plan **Week 13 and 14**

Monday July 6th to Friday July 15th

Select your set (ctrl + click) or scroll down for lessons:

|  |  |  |
| --- | --- | --- |
| Group | Teacher | Support contact details |
| [8X1](#Set1) | Miss Davies | cdavies@Waseleyhills.worcs.sch.uk |
| Clicking Images, Stock Photos & Vectors | Shutterstock[8X2](#Set2) | Mr Peace | jpeace@Waseleyhills.worcs.sch.uk |
| [8X3](#Set3) | Mr Desai | ddesai@Waseleyhills.worcs.sch.uk |
| [8Y1](#Set4) | Mr Desai | ddesai@Waseleyhills.worcs.sch.uk |
| [8Y2](#Set5) | Mr Peace | jpeace@Waseleyhills.worcs.sch.uk |
| [8Y3](#Set6) | Miss Davies | cdavies@Waseleyhills.worcs.sch.uk |



Three stages to online learning

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| **Stage One – Reading Task** | **Stage Two – Completing Tasks** | **Stage Three – Assessing your learning and feedback** |
| Read the lessons in the table below. Think about what you need to learn from the task. It may help to look at the other lessons too as this will show you where your learning is heading. | Find the resources you need. In some instances you may need to log into HomeAccess+ and find the file on the coursework drive (S). Login with your normal school username and password. Use the resource as described to complete the suggested task. Reflect on the teacher’s question.  [Click here for HomeAccess+ drive](about:blank) | At the end of the two weeks you will be set a task by your teacher on Show My Homework. This is submitted in SMHWK. This task will assess your learning and allow us to give you feedback.  These assessment tasks are optional but submitting them is very helpful for you and your teacher to understand what you have learnt. |



We are here to help you within school opening hours:

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| **Email your teacher** | **Join your teacher for a support chat session** | **Ring school reception** |
| You can now email your teacher using your Office 365 email address. You can also email Mr Baker or the Subject Leader using the contact info above. | You will also receive an invite during the two week period to join an online support chat with your teacher. | Call 0121 4535211 within school hours. They will email your teacher and ask them to contact you. |

SET 8Y3 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn how to calculate the area of a triangle by choosing the correct measurements. | Description of resource:  View video 49 on <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions: 1, 2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8 Nurture\Lesson 31 to Lesson 35  File Name:  Area of a triangle | | Description of what you need to do (step by step):  Watch the video - showing how to calculate the area of a triangle using base and perpendicular height.  Answer the given questions - show full method to help with the flow of your answers.  Self-mark your work - reflect and correct where possible.  Hint:  Always draw and label a diagram.  Always write down the rule.  Use a calculator to help you.  A question your teacher would have asked you at the end of this lesson is:  Complete the sentence.  When working out the area of a triangle, the base and height must be at ......... angles. |
| 2 | In this lesson you will learn how to answer problems involving area of a triangle. | Description of resource:  View video 49 on <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions: 4, 5 and 6  Apply questions: 1, 2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8 Nurture\Lesson 31 to Lesson 35  File Name:  Area of a triangle | | Description of what you need to do (step by step):  Watch the video - showing how to calculate the area of a triangle using base and perpendicular height.  Answer the given questions - show full method to help with the flow of your answers.  Self-mark your work - reflect and correct where possible.  Hint:  Draw and label a diagram for yourself.  You will need to go back to look at how to find area of rectangles - Week 11 and 12.  Do you need to find areas then add? Or do you need to find areas then take away for the Apply questions?  A question your teacher would have asked you at the end of this lesson is:  Draw a rectangle that has the same area as a triangle with base 12cm and height 22cm. |
| 3 | In this lesson you will learn how to find a missing length of a triangle if you know the area of the triangle. | Description of resource:  View video 49 on <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions: 7, 8, 9, 10 and 11  Apply questions: 4, 6  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8 Nurture\Lesson 31 to Lesson 35  File Name:  Area of a triangle | | Description of what you need to do (step by step):  Watch the video - showing how to calculate the area of a triangle using base and perpendicular height.  Answer the given questions - show full method to help with the flow of your answers.  Self-mark your work - reflect and correct where possible.  Hints:  Always start the question by writing out the calculation as if you are going to find the area.  To work backwards you need to do the opposites of each part of the calculation in reverse - think about how you go backwards on function machines.  Use a calculator to help with the numbers.  A question your teacher would have asked you at the end of this lesson is:  Write down the first step to calculate the missing height of a triangle.  (12 x h) / 2 = 24 |
| 4 | In this lesson you will learn how to calculate the area of a trapezium using a rule - includes some problem solving. | Description of resource:  View video 48 on <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions: 1 and 2  Apply questions: 2, 4 and 6  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8 Nurture\Lesson 31 to Lesson 35  File Name:  Area of a trapezium | | Description of what you need to do (step by step):  Watch the video - showing how to use a rule to calculate the area of a trapezium by choosing the correct sides of the shape.  Answer the given questions - show full method to help with the flow of your answers.  Self-mark your work - reflect and correct where possible.  Hints:  Always choose the top and bottom as the sides which are parallel to each other.  Use a calculator to help.  Always write down the rule clearly - label your diagram with each part of the rule.  A question your teacher would have asked you at the end of this lesson is:  What does the keyword Parallel mean? |
| 5 | In this lesson you will learn how to calculate the area of an L shape by splitting it into smaller rectangles. | Description of resource:  View video 42 on <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions: 1 and 2  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8 Nurture\Lesson 31 to Lesson 35  File Name:  Area of an L shape | | Description of what you need to do (step by step):  Watch the video - shows how to calculate the area of an L shape by splitting into smaller rectangles.  Answer the given questions - show full method to help with the flow of your answers.  Self-mark your work - reflect and correct where possible.  Hints:  You will need the work on finding area of rectangles - Week 11 and 12.  Always find the missing measurements first all the way around the shape.  Always split the shape into 2 smaller rectangles.  Be clear with your steps.  A question your teacher would have asked you at the end of this lesson is:  What do I need to do to an A4 piece of paper to turn it into an L shape?  Use this approach to work out the area of 1 of the L shapes from your lesson task. |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks of lessons. | |

SET 8Y2 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn to round to decimal places. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Probability-Scale.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Answers\ rounding-decimal-places-answers.pdf | | Description of what you need to do (step by step):  View video 278 on  [https://corbettmaths.com/2013/09/07/rounding-to-1-or-2-decimal-places/](about:blank)  **Rounding with Decimals**  **Q4)** [a],[b],[c],[d],[e],[f],[g],[h] & [i]  **Q6)** [a],[b],[c],[d],[e],[f],[g],[h],[i], & [j]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 2 | In this lesson you will learn to multiply with decimals. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ multiplying-decimals-textbook.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Answers\ multiplying-decimals-answers.pdf | | Description of what you need to do (step by step):  View video 94 (204) on  https://corbettmaths.com/2013/02/15/multiplying-decimals-2/  **Multiplying Decimals**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 3 | In this lesson you will learn to divide with decimals. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Dividing-by-Decimals.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Answers\ Dividing-By-Decimals-Answers-1.pdf | | Description of what you need to do (step by step):  View video 92 on  https://corbettmaths.com/2013/02/15/division-by-decimals/  **Dividing Decimals**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 4 | In this lesson you will learn simplify ratios. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2simplifying-ratios-1.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Answers\ Simplifyin-ratio-answers.pdf | | Description of what you need to do (step by step):  View video 269 on  [https://corbettmaths.com/2013/03/03/simplifying-ratio/](about:blank)  **Simplifying ratio**  **Q5)** [a],[b],[c], & [d]  **Q6)** [a],[b],[c], & [d]  **Q7)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 5 | In this lesson you will learn to share amounts using ratio. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ s ratio-sharing-the-total.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y2\ Answers\ ratio-sharing-the-total-answers.pdf | | Description of what you need to do (step by step):  View video 270 on  [https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/](about:blank)  **Ratio: sharing the total**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks of lessons. | |

SET 8Y1 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn how to find the volume of a cube/cuboid | Description of resource:  View video 355 on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1, 2,3,4 and 5  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y1 - Mr Desai  File Name:  Volume of a cuboid | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the volume of a cube of length 7cm? |
| 2 | In this lesson you will learn how to find the volume of a prism | Description of resource:  View video 356 on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1 and 2  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y1 - Mr Desai  File Name:  Volume of a prism | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the volume of a prism of front face area of 35cm squared and a depth of 8cm? |
| 3 | In this lesson you will learn how to find volume of an L shape prism | Description of resource:  View video 358 on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1,2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y1 - Mr Desai  File Name:  Volume of an L shape prism | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  Draw any L shape prism with dimensions that has an volume of 50 cm³. |
| 4 | In this lesson you will learn how to find the volume of a cylinder | Description of resource:  View video 357 on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1,2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y1 - Mr Desai  File Name:  Volume of a cylinder | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the volume of a cylinder of radius 5 cm and height 11 cm? |
| 5 | In this lesson you will learn how to find the volume of a cone | Description of resource:  View video 359 on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1,2,3 and 4  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8Y1 - Mr Desai  File Name:  Volume of a cone | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the volume of a cone of radius 3cm and height of 10 cm? |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks oflessons. | |

SET 8X3 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn how to find the mode value from a set of data | Description of resource:  View video 56 on  <https://corbettmaths.com/contents/>  Worksheet exercise: The Mode  Workout questions 1,2,3,4 and 5  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X3 - Mr Desai  File Name:  Mode median mean and range | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the mode value from 4,7,8,4,2,1,4 |
| 2 | In this lesson you will learn how to find the median value from a set of data | Description of resource:  View video 50 on  <https://corbettmaths.com/contents/>  Worksheet exercise: The Median  Workout questions 1, 2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X3 - Mr Desai  File Name:  Mode median mean and range | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the median value from 4,1,0,4,9,5 |
| 3 | In this lesson you will learn how to find the mean value from a set of data | Description of resource:  View video 53 on  <https://corbettmaths.com/contents/>  Worksheet exercise: The Mean  Workout questions 1, 2 and 3  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X3 - Mr Desai  File Name:  Mode median mean and range | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the mean value of 2,6,9,7,1 |
| 4 | In this lesson you will learn how to find the range from a set of data | Description of resource:  View video 57 on  <https://corbettmaths.com/contents/>  Worksheet exercise: The range  Workout questions 1,2,3,4, and 5  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X3 - Mr Desai  File Name:  Mode median mean and range | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  What is the range for 2,6,7,11,15,1 |
| 5 | In this lesson you will learn how convert units of length | Description of resource:  View video 349a on  <https://corbettmaths.com/contents/>  Worksheet exercise:  Workout questions 1,2,3 and 4  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X3 - Mr Desai  File Name:  Metric – units | | Description of what you need to do (step by step):  Watch the video.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  A question your teacher would have asked you at the end of this lesson is:  Change 135cm to metres. |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks oflessons. | |

SET 8X2 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn to round to decimal places. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Probability-Scale.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Answers\ rounding-decimal-places-answers.pdf | | Description of what you need to do (step by step):  View video 278 on  [https://corbettmaths.com/2013/09/07/rounding-to-1-or-2-decimal-places/](about:blank)  **Rounding with Decimals**  **Q4)** [a],[b],[c],[d],[e],[f],[g],[h] & [i]  **Q6)** [a],[b],[c],[d],[e],[f],[g],[h],[i], & [j]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 2 | In this lesson you will learn to multiply with decimals. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ multiplying-decimals-textbook.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Answers\ multiplying-decimals-answers.pdf | | Description of what you need to do (step by step):  View video 94 (204) on  https://corbettmaths.com/2013/02/15/multiplying-decimals-2/  **Multiplying Decimals**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 3 | In this lesson you will learn to divide with decimals. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Dividing-by-Decimals.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Answers\ Dividing-By-Decimals-Answers-1.pdf | | Description of what you need to do (step by step):  View video 92 on  https://corbettmaths.com/2013/02/15/division-by-decimals/  **Dividing Decimals**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 4 | In this lesson you will learn simplify ratios. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2simplifying-ratios-1.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Answers\ Simplifyin-ratio-answers.pdf | | Description of what you need to do (step by step):  View video 269 on  [https://corbettmaths.com/2013/03/03/simplifying-ratio/](about:blank)  **Simplifying ratio**  **Q5)** [a],[b],[c], & [d]  **Q6)** [a],[b],[c], & [d]  **Q7)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| 5 | In this lesson you will learn to share amounts using ratio. | Description of resource:  Location  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ s ratio-sharing-the-total.pdf  Answers:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X2\ Answers\ ratio-sharing-the-total-answers.pdf | | Description of what you need to do (step by step):  View video 270 on  [https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/](about:blank)  **Ratio: sharing the total**  **Q1)** [a],[b],[c], & [d]  **Q2)** [a],[b],[c], & [d]  **Q3)** [a],[b],[c], & [d]  A question your teacher would have asked you at the end of this lesson is:  **Do Q1 in the Apply section at the end of the worksheet** |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks oflessons. | |

SET 8X1 Year: 8 Topic/theme:

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| **Lesson** | **Aim:**  What you need to take from this lesson | **Resource(s) to use:**  Hyperlinks to videos etc  HomeAccess+ file location | | **Suggested task:** |
| 1 | In this lesson you will learn how to calculate the surface area of cubes and cuboids with given dimensions. | Description of resource:  View video 310 on [https://corbettmaths.com/contents/](about:blank)  Worksheet exercise:  Workout questions: 1 and 2  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X1 - Miss Davies  File Name:  Surface area cuboids | | Description of what you need to do (step by step):  Watch the video - shows how to calculate the surface area of two cuboids.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  Hints:  You will need to remember how to find the area of a rectangle - Week 5 and 6 lessons.  Please use a calculator to help.  Round answers to either the given accuracy or a suitable degree of accuracy.  A question your teacher would have asked you at the end of this lesson is:  Which formula is the odd one out to find the surface area of a cuboid?  A) 2(LxW)+2(LxH)+2(WxH)  B) 4(LxW)  C) 4(L+W+H) |
| 2 | In this lesson you will learn how to use the method of finding surface area of cuboids to solve problems - including finding missing edge length | Description of resource:  View video 310 on [https://corbettmaths.com/contents/](about:blank)  Worksheet exercise  Apply questions: 1, 2, 4 and 5  Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X1 - Miss Davies  File Name:  Surface area cuboids | | Description of what you need to do (step by step):  Watch the video - shows how to calculate the surface area of two cuboids.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  Hint:  When doing reverse surface area, always start by writing out the method as if you are calculating surface area. Do the parts of the calculation that you can. Then work backwards doing opposites.  Include any extra shading, labelling and explaining you need to make the flow of your question clear.  A question your teacher would have asked you at the end of this lesson is:  A piece of wrapping paper has dimensions 60 cm x 1 m. You need to wrap a box with dimensions 20cm x 30cm x 40cm. What percentage of the wrapping paper is wasted? |
| 3 | In this lesson you will learn how to calculate the surface area of L shaped prisms. | Description of resource:  View video 311 on [https://corbettmaths.com/contents/](about:blank)  Worksheet exercise  All questions    Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X1 - Miss Davies  File Name:  Surface area L shaped prism | | Description of what you need to do (step by step):  Watch the video - showing how to calculate surface area by finding the area of each face separately.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  Hint:  Shading and labelling a diagram really helps here.  You may need to calculate missing side lengths before you start.  Use a calculator to help.  A question your teacher would have asked you at the end of this lesson is:  Explain why the surface area of an L shaped prism has the same formula as the area of a cuboid. |
| 4 | In this lesson you will learn how to calculate the surface area of a cylinder given certain dimensions - including simple problem solving. | Description of resource:  View video 315 on [https://corbettmaths.com/contents/](about:blank)  Worksheet exercise  Workout questions: 1 and 2  Apply questions: 1 and 2    Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X1 - Miss Davies  File Name:  Surface area cylinder | | Description of what you need to do (step by step):  Watch the video - showing how to find the surface area of a cylinder given diameter.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  Hint:  You will need a calculator - read the question as which version of π you need.  Drawing and labelling a diagram might help.  Go back to look at the work for area and circumference of circles - Week 9 and 10.  Round answers to either the given accuracy or a sensible degree of accuracy.  A question your teacher would have asked you at the end of this lesson is:  Explain how you would work out the surface area of an open cylindrical container.  (Hint - what faces are exposed?) |
| 5 | In this lesson you will learn how to calculate missing measurements of a cylinder given the surface area - includes problem solving questions. | Description of resource:  View video 315 on [https://corbettmaths.com/contents/](about:blank)  Worksheet exercise  Workout questions: 3, 4, and 5  Apply questions: 3 and 6    Location:  HomeAccess+ \coursework drive(S)\maths\School Closure Work\Year 8\Lessons 31-35\8X1 - Miss Davies  File Name:  Surface area cylinder | | Description of what you need to do (step by step):  Watch the video - showing how to find the surface area of a cylinder given diameter.  Answer the given questions - show full method to help with flow of your answer.  Self-mark your work - reflect and correct where possible.  Hint:  Definitely draw and label a diagram - drawing the net of the cylinder will help also.  Write out your answer as if you are finding the surface area of the cylinder - not all parts of the cylinder have measurements missing.  Refer back to finding area and circumference of circles - Week 9 and 10 - and area of a rectangle - Week 5 and 6.  Use a calculator - be clear which version of π you need to use.  A question your teacher would have asked you at the end of this lesson is:  My pencil case has a diameter of 10cm and surface area of 195π cm². Will my pencil of 16 cm fit into it if it is not at an angle inside? |
| **Need help?**  HomeAccess+ [https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap](about:blank) (use your normal school username and password).  Pupil and parent help page: [https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils](about:blank) | | | **How will we assess you learning?**  Exit ticket task on SMHWK after each two weeks oflessons. | |