



Grade 10

School-without-Walls Package 15 (5 July to 9 July 2021)

Homework_Day 1 (5 July 2021)

Subject	Click on the Youtube Links	Things to Note
English	Zoom Class https://us02web.zoom.us/j/86577961072?pwd=RklqY0poR01vbFFmR3Z5aEZ0QW5jQT09 Meeting ID: 865 7796 1072 Passcode: 2021G10	
Mathematics	Grade 10 Zoom Lesson – 2pm to 4pm	
Chemistry	Zoom Lesson from 2pm to 4pm	Complete the work assigned in the zoom session
Portuguese	Quiz – Língua Portuguesa Coletivos https://www.youtube.com/watch?v=NKdxg5V2qV8	Quiz - Clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar! https://forms.gle/x6NhH5g5VZFQCrLg9

Homework_Day 2 (6 July 2021)

Subject	Click on the Youtube Links	Things to Note												
English	Read the notes on Relative Pronouns on your Writing and Grammar book page 68 Watch https://youtu.be/gaMFyEravAs	Complete activity 3-24 in your Writing and Grammar book												
Mathematics	Copy the solutions to Exercise 6D Q8 to Q10 in your math exercise book if you do not know how to do or got it wrong. 8. (a) $3x^2 + 12x + 12 = 3(x^2 + 4x + 4)$ $= 3[x^2 + 2(x)(2) + 2^2]$ $= 3(x + 2)^2$ (b) $36m^2 - 48mn + 16n^2 = 4(9m^2 - 12mn + 4n^2)$ $= 4[(3m)^2 - 2(3n)(2m) + (2n)^2]$ $= 4(3m - 2n)^2$ (c) $32p^2 - 98q^2 = 2(16p^2 - 49q^2)$ $= 2[(4p)^2 - (7q)^2]$ $= 2(4p + 7q)(4p - 7q)$ 9. $2100^2 - 2000^2 = (2100 + 2000)(2100 - 2000)$ $= 4100 \times 100$ $= 410\,000$ 10. $25m^2 - (n - 1)^2 = (5m)^2 - (n - 1)^2$ $= [5m + (n - 1)][5m - (n - 1)]$ $= (5m + n - 1)(5m - n + 1)$ Solution to Class discussion on page 141 <table><tr><td>A $(x - y)^2$</td><td>B $x^2 + xy - y^2$</td><td>C $x^2 - xy - y^2$</td><td>D $(x + y)(x - y)$</td></tr><tr><td>E $x^2 + 2xy - y^2$</td><td>F $x^2 - 2xy - y^2$</td><td>G $(x + y)^2$</td><td>H $x^2 + 2xy + y^2$</td></tr><tr><td>I $x^2 - 2xy + y^2$</td><td>J $x^2 - y^2$</td><td>K $x^2 + y^2$</td><td>L $y^2 - x^2$</td></tr></table>		A $(x - y)^2$	B $x^2 + xy - y^2$	C $x^2 - xy - y^2$	D $(x + y)(x - y)$	E $x^2 + 2xy - y^2$	F $x^2 - 2xy - y^2$	G $(x + y)^2$	H $x^2 + 2xy + y^2$	I $x^2 - 2xy + y^2$	J $x^2 - y^2$	K $x^2 + y^2$	L $y^2 - x^2$
A $(x - y)^2$	B $x^2 + xy - y^2$	C $x^2 - xy - y^2$	D $(x + y)(x - y)$											
E $x^2 + 2xy - y^2$	F $x^2 - 2xy - y^2$	G $(x + y)^2$	H $x^2 + 2xy + y^2$											
I $x^2 - 2xy + y^2$	J $x^2 - y^2$	K $x^2 + y^2$	L $y^2 - x^2$											

	Class Discussion (Equivalent Expressions) $A = (x - y)^2 = x^2 - 2xy + y^2 = I$ $D = (x + y)(x - y) = x^2 - y^2 = J$ $G = (x + y)^2 = x^2 + 2xy + y^2 = H$	
Chemistry	Download Grade 10 Chemistry Chapter 7 notes 7.2 Orbitals and Valence Bond Theory https://youtu.be/nTujP4jCbsg	Copy 7.1 and 7.2 into the chemistry notebook
Portuguese	Quiz – Língua Portuguesa Sinônimo https://www.youtube.com/watch?v=1RseRc7AbIA	Quiz - Clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar! https://forms.gle/zh8jfEBaiueaJedD6

Homework_Day 3 (7 July 2021)

Subject	Click on the Youtube Links	Things to Note
English	Complete Activity 3-25 in your Writing and Grammar book	
Mathematics	Chapter 7 - Algebraic Fractions Study page 145 Look at Worked Example 1	Do Exercise 7A Q1a to 1d
Chemistry	Refer to Chapter 7 notes 7.3 Sigma and Pi Bonds https://youtu.be/ftw16bkTkRM	Copy 7.3 into the chemistry notebook
Portuguese	Quiz – Língua Portuguesa Antônimo https://www.youtube.com/watch?v=9fwMaVOAsUQ	Quiz - Clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar! https://forms.gle/95xyHboEDVxHZgMfA

Homework_Day 4 (8 July 2021)

Subject	Click on the Youtube Links	Things to Note
English	Readworks Comprehension - Go to www.readworks.org - Click "Student Login" - Enter Class Code "CDH64S" - Click on your name - Enter Password "1234" Complete comprehension assignment	
Mathematics	Chapter 7 - Algebraic Fractions Study page 146 Look at Worked Example 2	Do Exercise 7A Q2a to 2f
Chemistry	Refer to Chapter 7 notes 7.4 Molecular Resonance https://youtu.be/MWDL5WCZBzE	Copy 7.4 into the chemistry notebook
Portuguese	Quiz de Português https://www.youtube.com/watch?v=QXUuDA8UNjo	Quiz - Clique (click) no link abaixo e responda as perguntas. Não se esqueça de enviar! https://forms.gle/fkRVfHr16MkcuF2p9

Homework_Day 5 (9 July 2021)

Subject	Click on the Youtube Links	Things to Note
English	Word Attack 3A W7	https://forms.gle/4isnnsQdKSLCL86K8
Mathematics	Chapter 7 - Algebraic Fractions Study page 146 Look at Worked Example 3	Do Exercise 7A Q3a to 3b
Chemistry	Refer to Chapter 7 notes 7.5 Octet Exceptions https://youtu.be/Dkj-SMBLQzM 7.6 Molecular Orbital (MO) Theory https://youtu.be/laVlh3kol9Q	Copy 7.5 and 7.6 into the chemistry notebook
Portuguese	10 palavras de uso comuns em conversações https://www.youtube.com/watch?v=oltYzaxS3vU	Copia 5 palavra e faça com frases no seu caderno Português!