



Grade 10

School-without-Walls Package 7 (3 May to 7 May 2021)

Homework_Day 1 (3 May 2021)

Subject	Click on the Youtube Links	Things to Note
English	https://youtu.be/q5HmV3Czlg6	a) Watch the video on using Subjective and Objective case pronouns b) Complete Activities 3-5 and 3-6 in your Writing and Grammar Book
Mathematics	<p>Watch the video for solution to Exercise 5A Questions 3g, 3h, 4d and 5d. https://youtu.be/MoTMFcZOcCO (Please set the playback setting Quality to 360p for better clarity)</p> <p>Check out the rest of the solutions and do your corrections.</p>	

	<p>4. (a) $3(4x + 1) + 2(x + 2) = 12x + 3 + 2x + 4$ $= 12x + 2x + 3 + 4$ $= 14x + 7$</p> <p>(b) $5(2 + x) + 3(x - 6) = 10 + 5x + 3x - 18$ $= 5x + 3x + 10 - 18$ $= 8x - 8$</p> <p>(c) $y(y - 2) + y(2y - 1) = y^2 - 2y + 2y^2 - y$ $= y^2 + 2y^2 - 2y - y$ $= 3y^2 - 3y$</p> <p>(d) $3y(1 + y) + y(1 - y) = 3y + 3y^2 + y - y^2$ $= 3y^2 - y^2 + 3y + y$ $= 2y^2 + 4y$</p> <p>5. (a) $7(2a + 1) - (6a + 3) = 14a + 7 - 6a - 3$ $= 14a - 6a + 7 - 3$ $= 8a + 4$</p> <p>(b) $3(2b - 1) - 2(3b - 1) = 6b - 3 - 6b + 2$ $= 6b - 6b - 3 + 2$ $= -1$</p> <p>(c) $3c(c - 4) - c(c + 1) = 3c^2 - 12c - c^2 - c$ $= 3c^2 - c^2 - 12c - c$ $= 2c^2 - 13c$</p> <p>(d) $4d(3d - 2) - 2d(1 - 2d) = 12d^2 - 8d - 2d + 4d^2$ $= 12d^2 + 4d^2 - 8d - 2d$ $= 16d^2 - 10d$</p>	
<p>Chemistry</p>	<p>5.24 The Halogen Family 5.25 The Noble Gas Family</p> <p>Halogen family https://www.youtube.com/watch?v=yW_C10cEzMk&t=18s</p> <p>Noble gas family https://www.youtube.com/watch?v=qNaBMvJXdj4</p>	<p>Download Grade 10 Chemistry Chap 5 Notes 21 for your reference</p> <p>Check the textbook for answers to the notes</p> <p>Textbook 5.24-25</p>
<p>Portuguese</p>	<p>Conteúdo: COMPARATIVO. Objetivo: Estudantes pode ser:</p> <ul style="list-style-type: none"> • Comparar pessoas, objectos, etc. <p>- Comparativo Português On-line https://www.youtube.com/watch?v=lpSvFSalOzA</p>	<p>1) Complete as frases de acordo com o grau comparativo pedido:</p> <p>- Superioridade</p> <p>a) O Pedro acorda ____ cedo _____ o Jaime.</p> <p>b) Este professor é ____ calmo _____ o</p>

- Click the [PDF Worksheet](#) to read



(PDF) Aula online 7
- Comparações.pdf

- Click the Link to answer the questions of
comparativo.

<https://forms.gle/jQk9VUzKieoinmik8>

outro.

- **Igualdade**

- a) João _____ inteligente ____
David.
b) O Paulo é _____ alto ____
o João.

- **Inferioridade**

- a) Juliana é _____ estudioso ____
a Maria.
b) O gato é _____ ferroz ____ o
cão.

2) Resolva as questões do exercício de Aula
online nº 7 – Adjectivos e Advérbios – Grau
Comparativo (pdf).

Homework_Day 2 (4 May 2021)

Subject	Click on the Youtube Links	Things to Note
English		Read through Compound Constructions on pg 52 and complete activities 3-7 and 3-8 in your Writing and Grammar book
Mathematics		<p>Watch the video for solution to Exercise 5B Questions 1b, 1h, 2d and 3d. https://youtu.be/H4zklkC2nuU (Please set the playback setting Quality to 360p for better clarity)</p> <p>Check out the rest of the solutions and do your corrections.</p> <div style="border: 1px solid black; padding: 10px;"><p>Exercise 5B</p><p>1. (a) $(a + 3)(a + 7) = a(a + 7) + 3(a + 7)$ $= a^2 + 7a + 3a + 21$ $= a^2 + 10a + 21$</p><p>(b) $(b + 1)(b - 9) = b(b - 9) + 1(b - 9)$ $= b^2 - 9b + b - 9$ $= b^2 - 8b - 9$</p><p>(c) $(c - 2)(c + 7) = c(c + 7) - 2(c + 7)$ $= c^2 + 7c - 2c - 14$ $= c^2 + 5c - 14$</p><p>(d) $(d - 5)(d - 6) = d(d - 6) - 5(d - 6)$ $= d^2 - 6d - 5d + 30$ $= d^2 - 11d + 30$</p></div>

$$\begin{aligned}
 \text{(e)} \quad (4e + 1)(3e + 5) &= 4e(3e + 5) + 1(3e + 5) \\
 &= 12e^2 + 20e + 3e + 5 \\
 &= 12e^2 + 23e + 5
 \end{aligned}$$

$$\begin{aligned}
 \text{(f)} \quad (2f + 1)(3f - 1) &= 2f(3f - 1) + 1(3f - 1) \\
 &= 6f^2 - 2f + 3f - 1 \\
 &= 6f^2 + f - 1
 \end{aligned}$$

$$\begin{aligned}
 \text{(g)} \quad (3g + 1)(5 - 2g) &= 3g(5 - 2g) + 1(5 - 2g) \\
 &= 15g - 6g^2 + 5 - 2g \\
 &= -6g^2 + 15g - 2g + 5 \\
 &= -6g^2 + 13g + 5
 \end{aligned}$$

$$\begin{aligned}
 \text{(h)} \quad (2 - h)(4 - 3h) &= 2(4 - 3h) - h(4 - 3h) \\
 &= 8 - 6h - 4h + 3h^2 \\
 &= 3h^2 - 6h - 4h + 8 \\
 &= 3h^2 - 10h + 8
 \end{aligned}$$

$$\begin{aligned}
 2. \quad \text{(a)} \quad 3a + (a + 6)(2a - 1) &= 3a + a(2a - 1) + 6(2a - 1) \\
 &= 3a + 2a^2 - a + 12a - 6 \\
 &= 2a^2 + 3a - a + 12a - 6 \\
 &= 2a^2 + 14a - 6
 \end{aligned}$$

$$\begin{aligned}
 \text{(b)} \quad b^2 + (b - 2)(2b + 5) &= b^2 + b(2b + 5) - 2(2b + 5) \\
 &= b^2 + 2b^2 + 5b - 4b - 10 \\
 &= 3b^2 + b - 10
 \end{aligned}$$

$$\begin{aligned}
 \text{(c)} \quad (c - 3)(2c + 3) + 3c^2 &= c(2c + 3) - 3(2c + 3) + 3c^2 \\
 &= 2c^2 + 3c - 6c - 9 + 3c^2 \\
 &= 2c^2 + 3c^2 + 3c - 6c - 9 \\
 &= 5c^2 - 3c - 9
 \end{aligned}$$

$$\begin{aligned}
 \text{(d)} \quad (2d + 1)(d - 1) + d^2 + d &= 2d(d - 1) + 1(d - 1) + d^2 + d \\
 &= 2d^2 - 2d + d - 1 + d^2 + d \\
 &= 3d^2 - 1
 \end{aligned}$$

	<p>3. (a) $4a^2 - (a + 3)(a - 2) = 4a^2 - [a(a - 2) + 3(a - 2)]$ $= 4a^2 - (a^2 - 2a + 3a - 6)$ $= 4a^2 - a^2 + 2a - 3a + 6$ $= 3a^2 - a + 6$</p> <p>(b) $b^2 - (b - 5)(b + 4) = b^2 - [b(b + 4) - 5(b + 4)]$ $= b^2 - (b^2 + 4b - 5b - 20)$ $= b^2 - b^2 - 4b + 5b + 20$ $= b + 20$</p> <p>(c) $(c - 1)(6 + c) - 3c^2 = c(6 + c) - 1(6 + c) - 3c^2$ $= 6c + c^2 - 6 - c - 3c^2$ $= c^2 - 3c^2 + 6c - c - 6$ $= -2c^2 + 5c - 6$</p> <p>(d) $(4d - 3)(2d - 3) - 5d^2 + 10d$ $= 4d(2d - 3) - 3(2d - 3) - 5d^2 + 10d$ $= 8d^2 - 12d - 6d + 9 - 5d^2 + 10d$ $= 8d^2 - 5d^2 - 12d - 6d + 10d + 9$ $= 3d^2 - 8d + 9$</p>	
Chemistry	5C Section Review	Do question #1 to # 4 in your chemistry notebook
Portuguese	<p>Conteúdo: ADJETIVO. Objetivo: Estudantes pode ser:</p> <ul style="list-style-type: none"> Definir o adjetivo. Identificar a classificação e flexão dos adjetivos. <p>ADJECTIVO - O que é, Tipo de flexão Português</p> <p>https://www.youtube.com/watch?v=E4M1_CfC7Hw</p>	<p>1) O que é o adjetivo?</p> <p>2) Complete o texto com as seguintes adjetivos: Feliz, calma, inteligente, jovem, confiante.</p> <p>Alice é uma menina muito (1) _____, sabe conversar sobre muitos assuntos diferentes. Por isso que ela se sente (2) _____ para falar tudo o que pensa. Ela é muito parecida com sua mãe, sempre (3) _____, tem paciência com todos ao seu redor, está todo o tempo (4) _____ e com um sorriso no rosto.</p> <p>O irmão caçula de Alice é quatro anos mais (5) _____ que ela e se chama Pedro.</p>
Music	<p>Broken Vessels https://www.youtube.com/watch?v=fiyYoe678yl</p>	Write down the lyrics of the song in your English exercise book.

Homework_Day 3 (5 May 2021)

Subject	Click on the Youtube Links	Things to Note
English	Complete Activity 3-9 in your Writing and Grammar book.	
Mathematics	No video	Exercise 5B Do Questions 4(a) to 4(d)
Chemistry	5C section Review	Do question #5 to #8 in your chemistry notebook
Portuguese	<p>Conteúdo: ADJETIVO.</p> <p>Objetivo: Estudantes pode ser:</p> <ul style="list-style-type: none">• Resolver os adjetivos. <p>- Exercícios de adjetivos Português</p> <p>https://www.youtube.com/watch?v=QSkKaRK</p> <p>WasM</p>	1) Copia 5 frases e indica os adjetivos.

Homework_Day 4 (6 May 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 5.3 Read worked Example 6 and 7 Watch https://www.youtube.com/watch?v=t71H2R68TZc	Exercise 5C Questions 1(a) to 1(d) Questions 2(a) to 2(d)
Chemistry	Review Questions (Page 145 to 147)	Do question #2 to #7 in your chemistry notebook
PE	Stay Healthy Watch the video done specially for SPMS on Staying Healthy at home in this time of pandemic https://www.youtube.com/watch?v=4w6ol9tlpVc	List down the 8 ways on how to stay healthy as shared Dr Linus in the video in your Science Exercise book. 1. Drink _____ 2. Wash _____ 3. Brush _____ 4. Eat _____ 5. Exercise _____ 6. Sleep _____ 7. Do not _____ 8. Do not _____

Homework_Day 5 (7 May 2021)

Subject	Click on the Youtube Links	Things to Note
English	Word Attack – Write a sentence using each of the following words. <ul style="list-style-type: none"> - Process - Project - Product - Programme - Purpose - Prevent - Produce - Private - Rather 	
Mathematics	No Video	Exercise 5C Questions 3(a) to 3(d) Q4
Chemistry	Review Questions (Page 145 to 147)	Do question #8 to #13 in your chemistry notebook
Portuguese	<p>Conteúdo: VOCABULÁRIO CORONAVÍRUS</p> <p>Objetivo: Estudantes pode ser:</p> <ul style="list-style-type: none"> • <u>Saber o vocabulário relaciona com CoronaVírus.</u> <p>- <u>Vocabulário do CoronaVírus tudo o quê você precisa saber.</u></p> <p>https://www.youtube.com/watch?v=vyoT7aN7e5I</p>	<ol style="list-style-type: none"> 1) O que é <u>CoronaVírus</u>? Responde <u>com</u> a tua opinião! 2) Copia e traduz as palavras de <u>vocabulário</u> para Inglês ou Tetum.