

1076 NADI SANGAM SCHOOL

YEAR 8

CONSOLIDATED

WEEKLY HOMESTUDY PACKAGE:10

SOLUTIONS

2021

1076 NADI SANGAM SCHOOL
YEAR 8 MATHEMATICS WEEKLY HOME STUDY PACKAGE 10 – 2021
SOLUTION

Question 1

Johan has \$4 to spend in town. He spends 30% of his money on sweets and 60% of the remainder on comics. How much does Johan have left?

$$\begin{aligned} 30\% \text{ of } \$4 &= \frac{30}{100} \times 4 & 60\% \text{ of } \$2.80 &= \frac{60}{100} \times 2.80 & \$1.20 + \$1.68 &= \$2.88 \\ &= \$1.20 & &= \$1.68 & & \end{aligned}$$

$$\text{Therefore, } \$4.00 - \$2.88 = \underline{\underline{\$1.12}}$$

Question 2

If $x = -2$ and $y = 3$, what is $2x^2(y + 2)$?

$$\begin{aligned} 2 \times -2^2(3 + 2) &= (2 \times 4)(3 + 2) \\ &= 8 \times 5 \\ &= \underline{\underline{40}} \end{aligned}$$

Question 3

Evaluate: $6 - 5(4 + 3(2 - 1)) =$ _____

$$\begin{aligned} 6 - 5 \times (4 + 3) &= 1 \times 7 \\ &= \underline{\underline{8}} \end{aligned}$$

Question 4

$$\frac{1+2+3+4+5}{}$$

What is $6+7+8+9+10$ as a fraction in its simplest form?

$$\frac{15 \div 5 = 3}{40 \div 5 = 8}$$

Question 5

Animation DVDs run for 45 minutes and comedy DVDs run for 1 hour. I rent some animation DVDs and some comedy DVDs and they last for exactly 6 hours in total. How many DVDs did I rent altogether?

RATIO CONCEPT: Secondary School Level (Try to attempt for more thinking)

$$6 \text{ hours} = 360 \text{ mins}$$

$$45x + 60y = 360$$

$$\frac{45}{60} = \frac{3}{4}$$

$$45x : 60y$$

$$\swarrow \searrow$$

$$3 : 4$$

$$45 \times 4 = 180$$

$$60 \times 3 = 180$$

$$45(4) + 60(3) = 360$$

$$\begin{aligned} \text{Therefore, total DVDs} &= 3 + 4 \\ &= \underline{\underline{7}} \end{aligned}$$

Question 6

17.5% of a number is 35. What is the number?

$$\frac{17.5}{100} N = 35$$

$$17.5N = 3500$$

$$\frac{17.5N}{17.5} = \frac{3500}{17.5}$$

$$N = \underline{\underline{200}}$$

Question 7

What is $\frac{4}{7}$ of 49 plus $\frac{5}{8}$ of 64 plus $\frac{6}{9}$ of 81?

$$\begin{aligned} (\frac{4}{7} \times 49) + (\frac{5}{8} \times 64) + (\frac{6}{9} \times 81) \\ &= 28 + 40 + 54 \\ &= \underline{\underline{122}} \end{aligned}$$

Question 8

$$0.35 \times 2160 = 756. \text{ What is } 0.035 \times 216000 = \underline{\underline{7.560}}$$

Question 9

What is 20% of 40% of 80?

$$\begin{aligned}
 & \frac{20}{100} \times \frac{40}{100} \times 80 \\
 & = \frac{1}{5} \times \frac{2}{5} \times 80 \\
 & = \frac{2}{25} \times 80 \\
 & = \frac{160}{25} \\
 & = \underline{\mathbf{6 \frac{2}{5} \text{ or } 6.4}}
 \end{aligned}$$

Question 10

How many ways can you order the numbers 1, 2, 3? (123 is one such ordering)

$$\underline{\mathbf{123, 132, 213, 231, 312, 321 = 6 \text{ ways}}}$$

Question 11

1, 3, 6 are the first three triangular numbers. What is the square of the sum of the 4th and 5th triangular numbers?

$$\begin{aligned}
 & (10 + 15)^2 \\
 & = 25^2 \\
 & = 25 \times 25 \\
 & = \underline{\mathbf{625}}
 \end{aligned}$$

Question 12

15% of a 20-hour period is spent doing homework. 5% is spent playing computer games. 50% of the remainder is spent in school. How much time is left?

$$\begin{aligned}
 & (\frac{15}{100} \times 20) + (\frac{5}{100} \times 20) \\
 & = 3 + 1 \\
 & = 4
 \end{aligned}$$

$$20 - 4 = 16$$

$$\begin{aligned}
 & \frac{50}{100} \times 16 \\
 & = 8
 \end{aligned}$$

$$\begin{aligned}
 \text{Therefore, Time left} &= 20 - (4 + 8) \\
 &= 20 - 12 \\
 &= \underline{\mathbf{8 \text{ hours}}}
 \end{aligned}$$

Question 13

What is $\frac{3}{4} \times \frac{6}{5} \times \frac{7}{8} \times \frac{10}{9}$?

$$\begin{aligned}
 & (\frac{3}{4} \times \frac{6}{5}) \times (\frac{7}{8} \times \frac{10}{9}) \\
 & = \frac{18}{20} \times \frac{70}{72} \\
 & = \frac{18 \times 70}{20 \times 72} \\
 & = \frac{1260}{1440} \\
 & = \underline{\mathbf{\frac{7}{8}}}
 \end{aligned}$$

Question 14

a , b , c and d are consecutive whole numbers. They add to make 26. What is b ?

$$26 \div 4 = 6$$

$$a + b + c + d = 26$$

$$5 + 6 + 7 + 8 = 26$$

Therefore, $a=5$, **$b=6$** , $c=7$, $d=8$

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YEAR 8 - 2021
WEEKLY HOME PACKAGE STUDY 10
ENGLISH SOLUTION

1. BUILDING SENTENCES

1. We sent an acknowledgement that we received the parcel.
2. You must be careful with all your valuable or breakable objects.
3. The drug will help your body resist infection
4. I will notify him when I am about to reach the river.
5. She was badly hurt and was described as a savage attack

2. Drama - ACT SCENE 1

1. It means she can't take more than what showed.
2. Dr Livesey shot him.
3. He was the one who buried the treasure and had died.
4. Look for the treasure but first look for the ship to sail in.
5. Squire with Joyce went to Bristol to look for the ship.

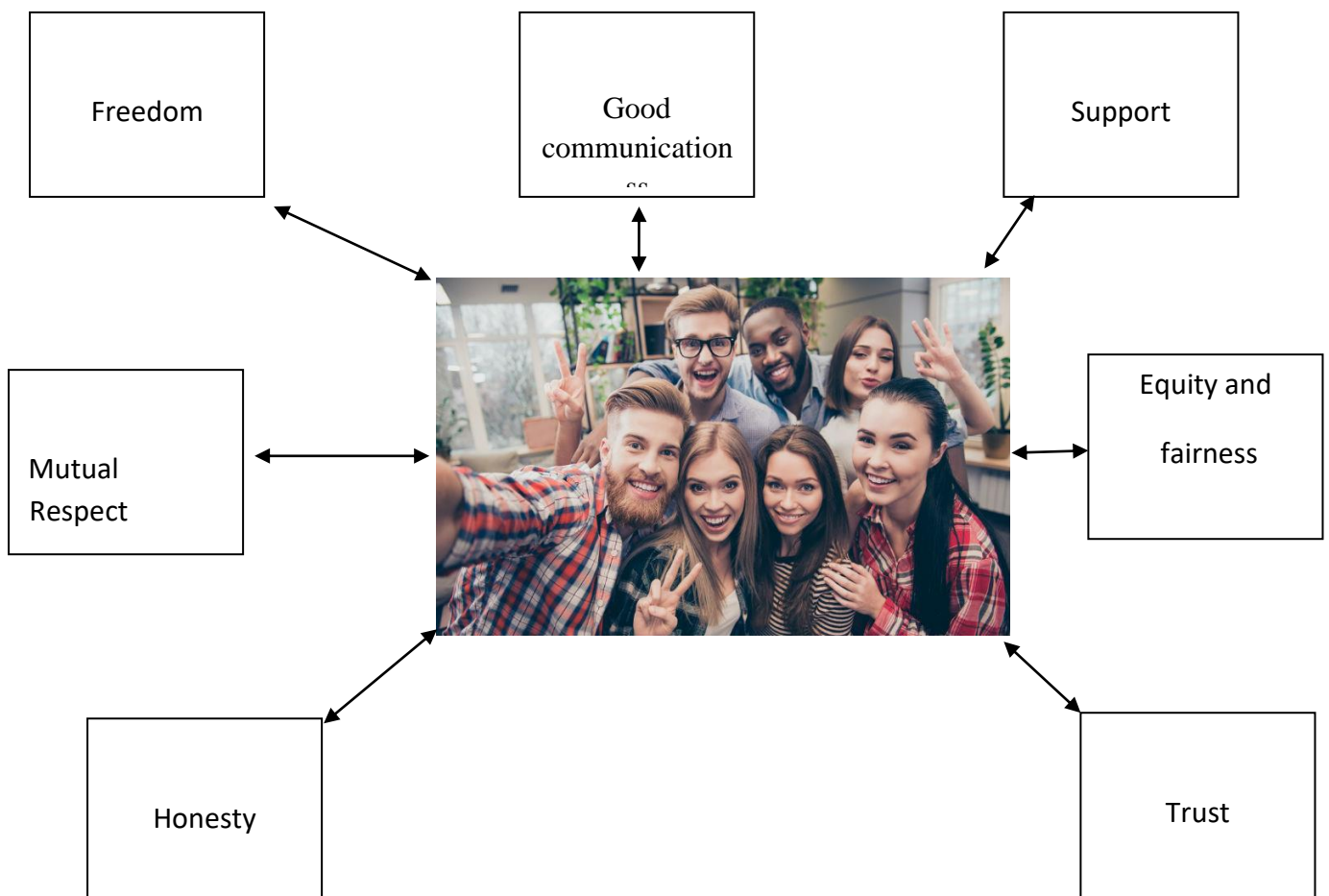
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YEAR 8 WEEKLY HOMESTUDY PACKAGE 10
HEALTHY LIVING, 2021
SOLUTION

“No Man is an Island”



The phrase no man is an island means that no one is truly self-sufficient, everyone must rely on the company and comfort of others in order to thrive. Human cannot live in isolation from each other. All humans belong to one large collective continent. It is extremely impossible for a person to live alone in this world. People need one another in order to survive. Moreover, a person cannot live emotionally, if he or she lacks communication or sharing of his or her emotions with other people.

1. To have a healthy relationship with those around us, the following qualities must be within us.

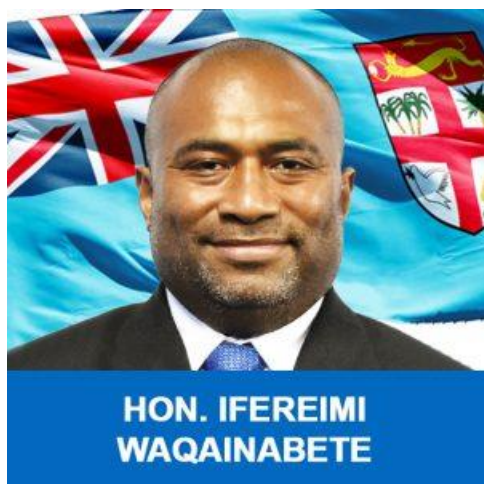


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YEAR 8 WEEKLY HOMESTUDY PACKAGE 10
SOCIAL SCIENCE SOLUTIONS, 2021

FAMOUS PEOPLE



Hon Josaia Voreqe Bainimarama – 8th and current Prime Minister of Fiji since 2007.
Born on the 27th, April, 1954 , commonly known as Frank Bainimarama.
He is the Head of the Government. A member of the [Fiji First Party](#),. He began his career as a naval officer and commander of the Fijian Military Forces.
Mr Bainimarama has added the Ministry of Forestry to his existing portfolio .



Minister for Health 2021

Dr Ifereimi Waqainabete was a general surgeon in Fiji and Associate Professor of General Surgery at [Fiji National University](#), former President of the [Fiji Medical Association](#), President of the Pacific Island Surgeons Association, and former Chairman of Fiji Medicinal Board. He is a politician and a member of parliament of Fiji , who was appointed to the position on November 2018.



Minister for Education - 2021
Hon Premila Kumar is a Fijian politician and member of the parliament of Fiji.

Born on the 2nd of April, 1962.

She will continue to serve the Minister of Local Government. She began her career as a biology and chemistry teacher, rose through the ranks of the Education sector transitioning to policy serving as a government environment advocate. Was the CEO of the consumer council of Fiji for 12 years. She once served as the Minister for Industry, Trade & Tourism.



The Speaker of Parliament

Hon Ratu Epeli Nailatikau a Fijian chief who was President of Fiji from 2009 to 2015. He has had a long career in the Military, diplomatic service, and government.

On the 11 of February 2019, he became the newly appointed Speaker of the Fijian Parliament, following the demise of the late speaker Hon Dr Jiko Luveni.



Permanent Secretary for Health - 2021

James Fong is a Fijian Obstetrician and Gynecologist who serves as the Permanent Secretary (PS) for the Ministry of Health and Medical Services (MOHMS).

During the COVID-19 pandemic, Fong led the COVID-19 Incidental Management Team (IMT) and is well known for giving COVID-19 updates in daily press briefings.



Dr Alisha Sahu Khan

Dr Aalisha is the Ministry of Health and Medical Services' Head of Health Protection.

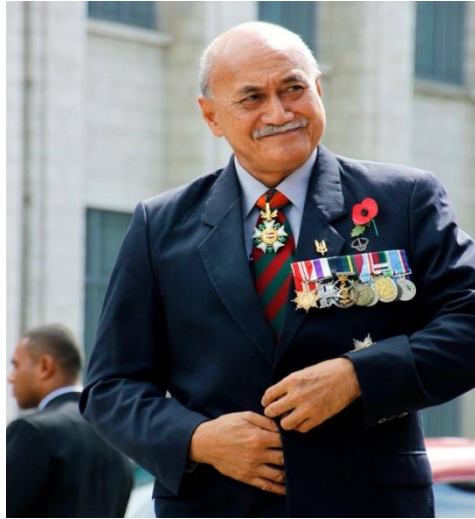
Dr Aalisha's medical profession began in 2011 when she became a medical intern following the completion of her studies from the Fiji School of Medicine (now Fiji National University). After four years in the medical profession in Fiji, Dr Aalisha was Fiji's Fulbright Scholarship recipient. This enabled her to study at the Emory University, Rollins School of Public Health in Atlanta, Georgia (for three years).

Upon returning in 2017, Dr Aalisha took up the post of Acting National Advisor Communicable Diseases. In 2018 she was Acting Head of Health Protection until her new position this year.



Fiji Rugby Seven Captain to the Olympics 2020

Jerry Tuwai, is a Fiji rugby union player who plays for the Fiji national rugby sevens team. Tuwai made his debut for Fiji at the 2014 Gold Coast Sevens. He was part of the Fiji Sevens team that won the gold medal at the 2016 Rio Olympics and the 2020 Tokyo Olympics. He was named World Rugby Sevens Player of the Year in 2019.



The country's present President

Jioji Konousi "George"

Konrote, born 26 December 1947 is a Fijian politician and retired Major-General of the Fiji Military who has been President of Fiji since 2015. After commanding a peacekeeping mission in Lebanon, Konrote served as Fiji's High Commissioner to Australia from 2001 to 2006, as Minister of State for Immigration briefly in 2006, and as Minister for Employment Opportunities, Productivity and Industrial Relations from 2014 to 2015. He is the first non-iTaukei president and the first Seventh-day Adventist to be elected by parliament, as previous presidents were selected by the Great Council of Chiefs.



**HON. AIYAZ
SAYED-KHAIYUM**

Attorney General – 2021

Born 24 September 1965. A Fijian politician and a Cabinet Minister. He is the Fijian Attorney-General and the Minister for Economy , Civil Service and Communications and also serves the Minister responsible for climate change.



HON. LYNDA TABUYA

Opposition Whip

Lynda Diseru Tabuya (born 1972) is a Fijian politician and lawyer. A member of the Opposition and serves as Opposition Whip in the Fijian parliament. She was elected into parliament following the 2018 election as a Sodelpa candidate. Hon Tabuya was a lecturer of Law at the University of the South Pacific before resigning in 2014 to pursue her political ambition .