

Number of WEEKS TO SAVE

$$\text{TOTAL COST} = \text{TOTAL SAVINGS}$$

$$\$34990.07 \qquad 39.64$$

$$\cancel{\$40170.07} \div 1009.98 = \cancel{39.64} \text{ weeks (2 dp)}$$

However since there cannot be ~~.64~~ of a week it will be rounded ^{up} to ~~39~~ 35 weeks as rounding down will mean they will not be able to reach their amount.

DISCUSSION:

Through my calculations I found that in total Boston, AJ, and Arvi would need to save ~~\\$40170.07~~ ^{\\$34990.07} NZD for their trip. Through their savings it will take them a total of 35 weeks to do so.

However this was calculated on the basis of Boston, AJ and Arvi contributing different amounts of their income towards this trip. If they were to split the cost it would be that they are contributing $\$11663.36$ each $\$34990.07$ is $\$40170.07$ NZD $\div 3$ is $\$13390.02$ NZD.

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