Maths Week/Pāngarau Wiki 2025

Daily Dollar/Ko te Tāra o te Rā

Bill Ellwood Memorial Series

This series is a tribute to Bill Ellwood, who wrote much of the Maths Week material from 2006 to 2019. Bill passed away in June 2021.

Set B Day 2

For students

WHAT TO DO FOR STUDENTS

1 **You may work on your own or with someone else, and your teacher or someone else can help you.**

2 **Answer the questions.**

3 **Each question has a dollar value. Each day's questions total $100 in value.**

4 **When you have answered the questions, your teacher will give you the answers.**

5 **If you are right, you will get the dollar value for each question. You then you can work out how many dollars you have earned for the day.**

6 **Add the number of dollars you have earned each day in the Daily Dollar questions and get a total for the week. Then you can compare your total for the week with others in your class.**

7 **Perhaps your teacher may award a prize for the highest total for the week!**

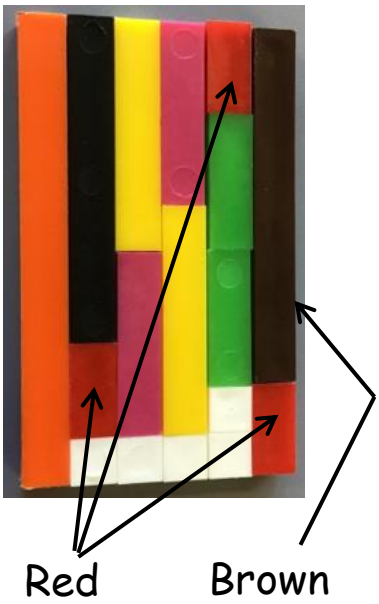
8 **Good luck!**

BLOCKS AND RODS

Write the answer to each question in the space provided.

Question 1 ($20)

Each white rod in the picture is 1 unit in length. Complete the table below to give the length of each of the other colours.



Answer

Colour	Length
White	1
Orange	
Black	
Red	
Yellow	
Brown	
Green	
Pink	

Question 2 ($20)

What two numbers less than 10 are not represented by a colour?

Answer

Question 3 ($20)

Here is a picture of some rods. Each colour rod has the same length as in your answer to Question 1.

Use your answers to Question 1 to complete this sentence.

1 black + ___ reds + 1 white = 4 pink rods

Answer

Question 4 ($20)

(a) What is the smallest number of white rods you can add to make the column the same size as the orange rod in the picture on the right?

Answer

(b) How many more red rods are needed to make the red column the same height as the yellow column in the picture on the right? (There are two red and two yellow rods.)

Answer

Question 5 ($20)

How many rods will you have altogether once you complete both parts of question 4 (including those in the pictures)?

Answer