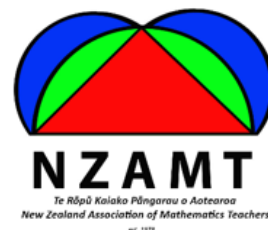
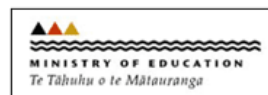




# Maths Week/Pāngarau Wiki 2025



## 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 1

### For students



#### WHAT TO DO FOR STUDENTS

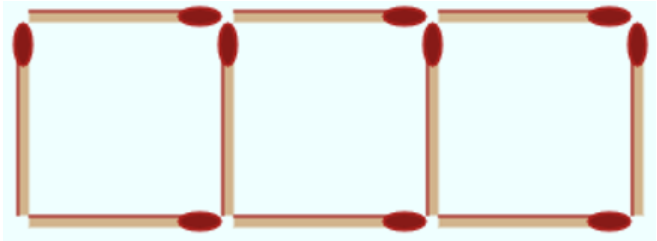
- 1 You may work on your own or with someone else, and your teacher or someone else can help you.
- 2 Answer the questions.
- 3 Each question has a dollar value. Each day's questions total \$100 in value.
- 4 When you have answered the questions, your teacher will give you the answers.
- 5 If you are 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!

**MATCHSTICK PATTERNS**

Write the answer to each question in the space provided.

**Question 1 (\$20)**

Here is a picture of some matchsticks.



Complete the table below, using the picture to help you to find a pattern in the number of matchsticks used.

Answer

Number of squares	Number of matchsticks used
1	
2	
3	

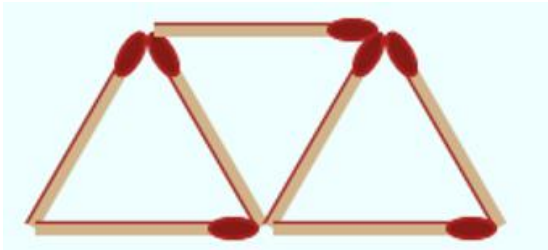
**Question 2 (\$20)**

Find a pattern in your answers to question 1. How many matchsticks will it take to make 5 squares in the same pattern?

Answer

**Question 3 (\$20)**

Here is another picture of some matchsticks.



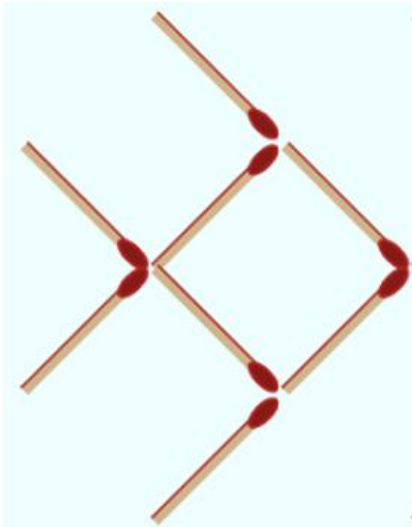
Complete the table below using the picture to help you

Answer

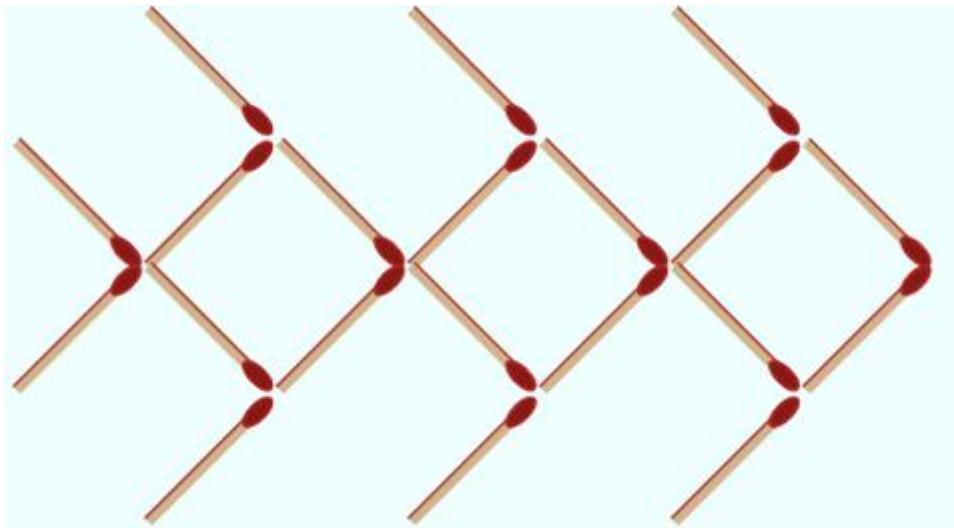
Number of triangles	Number of matchsticks used
1	
2	
3	7
5	

**Question 4 (\$20)**

You can make a fish using 8 matchsticks as the picture shows.



More fish can be made by adding matchsticks.



Complete the table using the picture below to help you.

**Answer**

Number of fish	Number of matchsticks used
1	8
2	
5	

## Question 5 (\$20)

**Design your own matchstick pattern (use equipment if you have it). Create at least 3 steps to your pattern and share it with a friend. See if they can find your pattern.**

Answer