

# F-2: REMOTE MATHS

EDITION 3

## ADDITION AND SUBTRACTION USING MONEY

**Mathematical language:** Coins, dollars, notes, change, add, subtract, altogether.

### TASK 1: HOW MANY WAYS TO MAKE \$1 AND 30 CENTS?

Using the collection of coins pictured, how many different ways could you make the collection \$1.30?

- Enabling prompt: Can you label each of the coins?
- Extending prompt: Can you find all 5 ways?

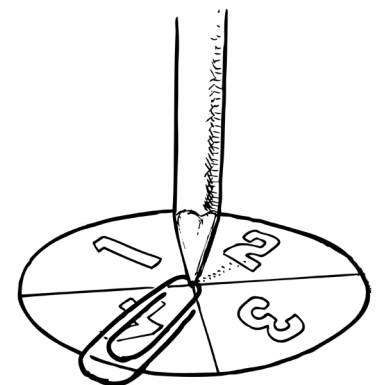
Supporting task: <https://www.topmarks.co.uk/money/toy-shop-money/aud>



### TASK 2: MONEY MATCH

Download and play Money Match 1 or 2. To create a handy spinner, use a paper clip and a pen/pencil.

<https://drpaulswan.com.au/games/>



## EDITION 3: USING MONEY (CONT.)

### TASK 3: TOYS

A Pokémon toy and a tub of Hama beads cost \$19 altogether. How much could each of the toys cost?

- Can you find at least three possibilities?
- **Extending prompt:** What if three toys were purchased for \$19, how much could have each of the toys cost? Provide at least three different possibilities.

### TASK 4: SHOPPING

Imagine that you win \$50 from a coming first in a drawing competition. Using a toy catalogue (e.g. Target and Big W) how would you spend your \$50?

- What would you buy and how much would it cost?
- What change would you have left over?
- **Extending prompt:** What if you were won \$100. What could you now buy?

If you do not have paper catalogues delivered to your house, you can shop online using:

[www.target.com.au](http://www.target.com.au)

[www.bigw.com.au](http://www.bigw.com.au)

### TASK 5: PIZZA DELIVERY *Adapted from Sullivan 2017*

You have ordered a pizza to be delivered and it costs \$27. Look at the picture, these are the coins and notes you have in your wallet.

- What money could you give to the pizza seller?
- What change would you expect back if you paid with a \$50 note?
- Give two different options for the combination of coins and notes you would get back from \$50
- **Enabling prompt:** What if the pizza cost \$20? How many different ways can you make \$20 with these notes?
- **Extending prompt:** What if the pizza cost \$27.30? What combination of notes and coins would you use to pay? How much change would you get if you paid with a \$50 note?



# GEOMETRY: FIND, SORT AND NAME 2D AND 3D SHAPES

**Mathematical language:** Describing shapes: sides, corners, 2D, 3D, edge, straight, curve, angle

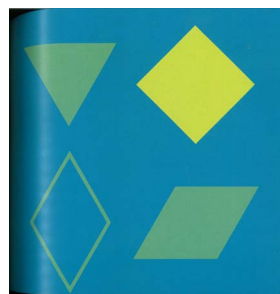
2D shape names: square, rectangle, circle, triangle, rhombus, trapezium, pentagon, hexagon, octagon, quadrilateral, semi-circle.

3D shape names: cube, sphere, rectangular prism, pyramid, triangular prism, cone, cylinder.

## TASK 1: WHICH ONE DOESN'T BELONG?

Here are some pictures from a great picture story book called *Which One Doesn't Belong?* (Student Book) by Christopher Danielson, published by Hawker Brownlow Education (2016).

- For each picture of 4 images, can you find which one doesn't belong, and why?



## TASK 2: SHAPE HUNT

Draw a picture of the front of your home.

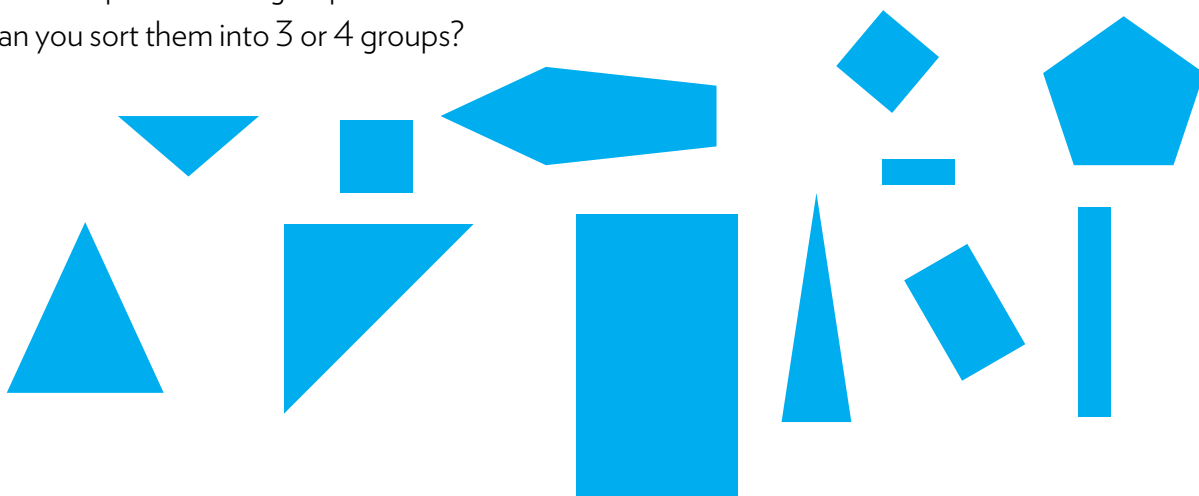
- Label your picture with as many 2D and 3D shape names you can think of.

Supporting task: [www.mathplayground.com/ASB\\_Kangaroo\\_Hop.html](http://www.mathplayground.com/ASB_Kangaroo_Hop.html)

## TASK 3: SHAPE SORT

Sort these shapes into two groups.

- Can you sort them into 3 or 4 groups?



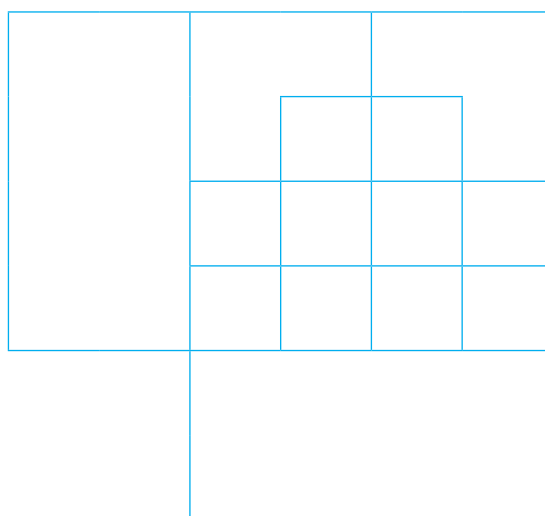
## EDITION 3: GEOMETRY (CONT.)

### TASK 4: TASK SHAPE DIAGRAMS

Have a really good look at this diagram.

- Can you describe the picture?
- What shapes was it made up of?
- Can you draw it (without looking at it)? How many squares do you think there were there?

Adapted from <https://nrich.maths.org/1801>



## MATHS APP OF THE WEEK: GEOBOARD



Geoboard, by The Maths Learning Centre, is a tool for exploring a variety of mathematical topics introduced in primary school. Learners stretch bands around the pegs to form line segments and polygons and make discoveries about perimeter, area, angles, congruence, fractions and more.

This virtual version of the manipulative is an open-ended education tool that is available on hand held and desktop devices

[www.mathlearningcenter.org/resources/apps/geoboard](http://www.mathlearningcenter.org/resources/apps/geoboard)

**Cost:** Free

*Look out for more tasks next week!*