# Monday work with Miss Maths

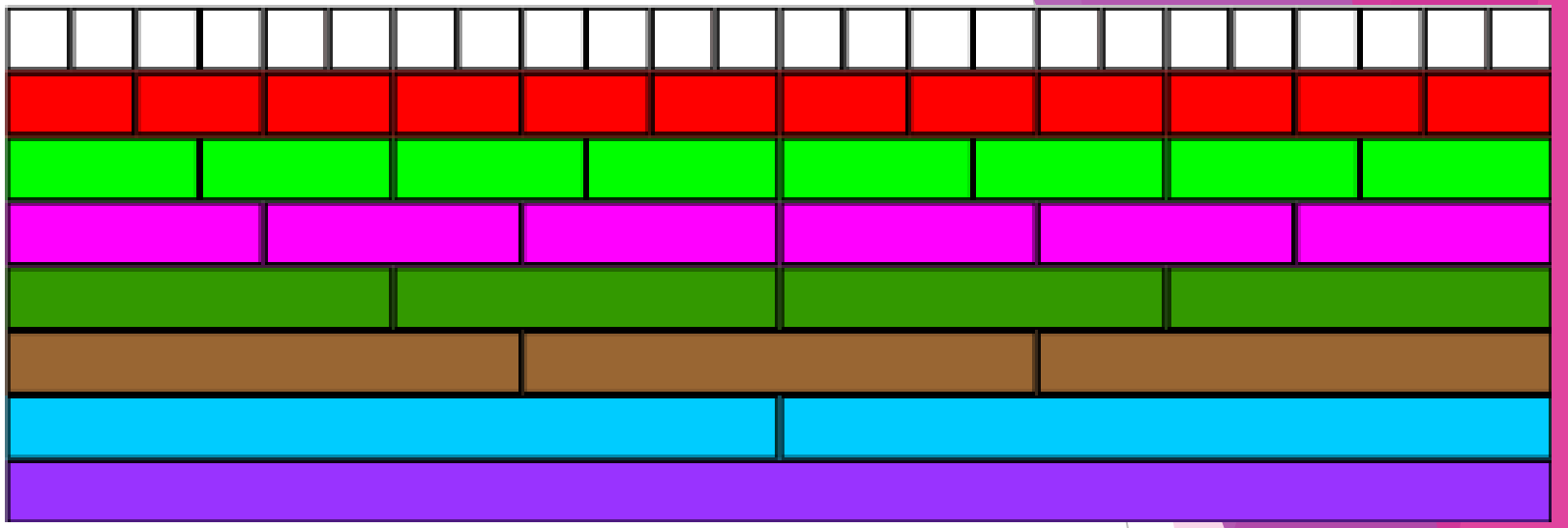
- Today we will be working on the Fraction wall investigation.

- We will also be making connections between Fractions, Decimals and Percentages.

# Fractional Wall (NRich)

**Age 7 to 11**

An Nrich challenge



Using the image above, how many different ways can you find of writing $\frac{1}{2}$?

From the picture, what equivalent fractions for ⅓ can you find?

Again, using the image of the fraction wall, how else could you write $\frac{3}{4}$?

What other fractions do you know that are the same as $\frac{1}{2}$?

Find some other fractions which are equivalent to $\frac{3}{4}$.

Can you find any "rules" for working out equivalent fractions? Write your answer in full sentences.

# Making Connections

There are 100 Smarties in a bag.
45 are eaten. How many are left?

Write this as a fraction, decimal and percentage.

Match the percentages and decimals, and then add your own fraction.

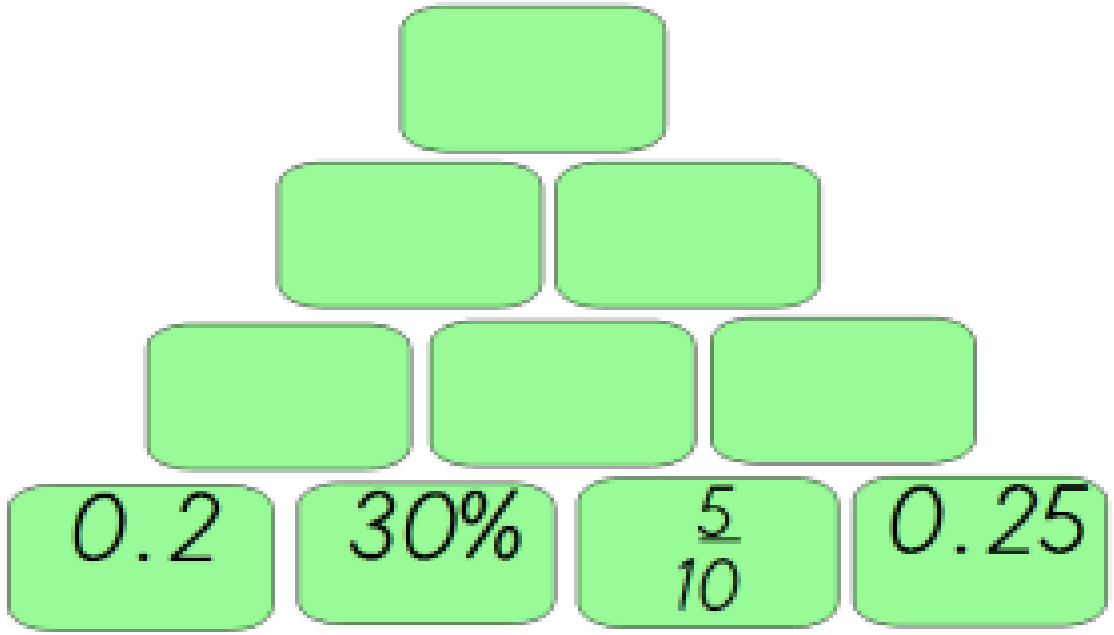
| | | |
|---|---|---|
| 30% | 0.03 | |
| 100% | 0.2 | |
| 17% | 0.063 | |
| 20% | 1 | |
| 3% | 0.63 | |
| 91% | 0.91 | |
| 63% | 0.17 | |
| 6.3% | 0.3 | |

Copy the equivalent FDP's like this:

| Percentages | Decimals | Fractions |
|---|---|---|
| 30% | 0.03 | $\frac{30}{100}$ or $\frac{3}{10}$ |

# Copy and complete the pyramid

To complete this addition pyramid you must add the two adjacent numbers and write the answer in the block above. How can you go about completing this pyramid?



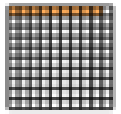

Adjacent numbers= numbers next to each other

Converting all the amounts into decimals will make it easier. Add these jottings to each brick if they're not a decimal already.

# Making Connections

Fractions, decimals and percentages all link together.

Copy the table below and find the equivalent barmodel, fraction, decimal or percentage.

| Pictorial | Fraction | Decimal | Percentage |
|---|---|---|---|
|  | | | |
| | $\frac{1}{5}$ | | |
|  | | | |
| | | 0.3 | |
| | | | $33.\dot{3}\%$ |