

# Year 5 & 6 Home Learning

## Maths



**Due back:**

**Monday 22nd February**

### Ms Birchall's Set

In maths we have been looking at using the inverse to work out missing numbers in a calculation. For example:

$$\square + 116 = 312 \text{ (we know that } 312 - 116 = 196 \text{ so the missing number is 196).}$$

Can you think of a game or quiz that would test whether people could use the inverse? Your game could be a card game or a multiple choice quiz or anything else that you can think of. See whether someone at home can play your game with you or answer your quiz questions. We will have a look at the games and quizzes in class and you will have time to test your friends (and teachers too)!

**Timing: 45 minutes to an hour**

**Ask an adult for help if you need to.**

### Ms Webb's Set

We are going to be looking at factors of numbers. A factor is a number that can divide into another number. So, the factors of 15 are 3 and 5. You are going to play a game based on that. You will need 2 dice. Roll the dice to make a 2 digit number. On the number board find 2 factors of that number and colour them in. The winner is the first person to cover 4 factors in a line. Have fun!

**Time: 45 minutes You will need an adult to play with you .**

### Ms. Willis' Set

#### Ms. Willis' Set

You are going to use your problem solving, addition and subtraction skills. Use the additional sheet which displays information about a Maths Theme Park. You have to plan a seven-day holiday for two-people. You will need to plan visits and activities over the seven days, and everything spent must be kept as a running budget. Your holiday spending money is £1000 for the week, and this must pay for everything. You can set it out a day at a time or differently if you have any other ideas. You will need to collect the additional sheet from Ms.Willis.

**Time: 1 hour, ask for help if needed.**

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### Ms Foulkes' Set

Fraction Cards! Make yourself a set of playing cards, each displaying a different fraction (e.g.  $\frac{3}{4}$ ,  $\frac{2}{5}$ ,  $\frac{1}{10}$ ,  $\frac{1}{100}$ ,  $\frac{5}{12}$  etc.) Shuffle the cards and share them out equally between you and your friends. No one is allowed to look at their cards.

Take it in turns to lay a card on to the table. Whoever lays the biggest fraction card wins the hand! The winner is the player with the most cards at the end of the game.

Why not add in some cards with decimal numbers or percentages on them?

**Time: 1 hour. Ask for adult help if you need it.**

### Mr Strange's Set

We have been looking at equivalent fractions in Maths this week. Equivalent fractions appear differently but have the same value. For example:

$$\frac{3}{4} = \frac{75}{100} \quad \text{and} \quad \frac{2}{5} = \frac{12}{30}$$

Your task is to create a card game that can be played in class to help other children learn equivalent fractions. You will need to make a pack of 40 cards which contain 20 pairs of equivalent fractions. You could even create a box for your playing cards by cutting out a net for a cuboid. Bring your cards into class for a game of fractions snap or pelmanism.

**Time: Up to 1hr 30mins. Ask for adult help if you need to.**