School Improvement Liverpool

Primary Learning Team Training

YEAR 5

Maths at home for parents and carers

THIS SHORT LEAFLET COVERS SOME OF THE CORE CONCEPTS AND IDEAS THAT YOUR CHILD WILL NEED TO KNOW THIS YEAR. YOU WILL FIND SUGGESTIONS FOR GAMES TO PLAY, ACTIVITIES TO COMPLETE AND WEBSITES TO ACCESS TO SUPPORT YOU, AS YOU SUPPORT YOUR CHILD..

Equipment

Many of the activities included in this helpful leaflet will not require any special equipment. If you have access to online resources this will be useful but not essential when supporting your child.

Websites

https://whiterosemaths.com/homelearning/year-5/spring-week-9-number-fractions/	https://phet.colorado.edu/sims/html/fraction-matcher/latest/fraction-matcher_en.html	https://www.ictgames.com/mobilePage/deadlyDoors/index.html http://stream-ing.discoveryeducation.com/braingames/iknowthat/Fractions/L3.cfm	http://www.snappymaths.com/counting/fractions/interactive/compfracy5/compfracy5.htm	https://classroom.thenational.academy/units/fractions-and-decimals-be3a

Maths words and phrases

Repeated addition is **adding equal groups together**. It is also known as multiplication. If the same number is **repeated** then, we can write that in the form of multiplication

Whole: When we divide a **whole** into equal parts, each part is a **fraction** of the **whole**.

Sequence is a list of numbers or objects in a **special order.**

Multiple e.g. the multiples of 5 are all in the **5 times table.**

Factor: Numbers we can multiply together to get another number. Example: 2 and 3 are factors of 6, because 2 × 3 = 6

Equivalent Fraction: *have the same value, even though they may look different.*

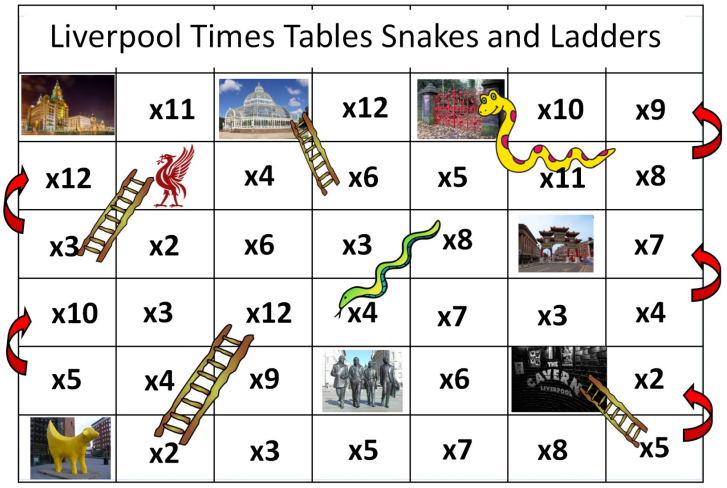
Key Learning 1 – Multiplication and Division

Understand factors and multiples

Games and Ideas

Choose two whole numbers which add tp to 100: what's the product of these two numbers? Now choose two new numbers and find their product. What's the largest product you can make by taking two numbers which add up to 100 and multiplying them together?

1st	2nd	Product
10	90	900
20	80	1600
23	77	1771



Make a snakes and ladder game with your child or print this one off. Roll a die, when you land on a square, multiply the die by the number on the square.

FACTOR TIMES TABLES - Q			
4	27	40	99
12	30	56	144
16	32	72	

FACTOR TIMES TABLES - Q			
4	27	40	99
12	30	56	144
16	32	72	

FACTOR TIMES TABLES - C			
6	22	45	84
10	28	55	110
16	36	70	

FACTOR TIMES TABLES - G			
6	24	44	90
11	30	56	121
18	40	72	

FACTOR TIMES TABLES - M			
8	20	42	80
12	25	50	99
14	33	63	

Why not play factor bingo? Give out a bingo card, or write them on a piece of paper. Choose a number and say…'Circle a number that has a factor of 8' Etc. You can decide how the game is won—middle line, corners etc.

Write some multiplication calculations e.g.

5 x 2 = 20

10 x 4 = 30

2 x 9 = 16

5 x 8 = 40

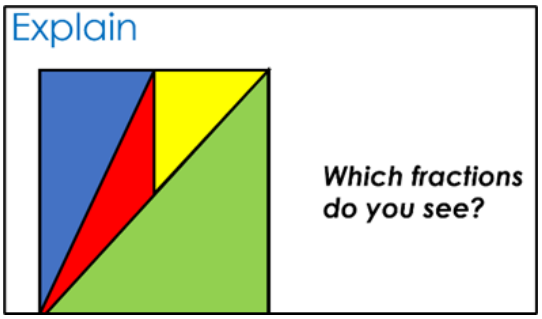
Ask the children if the answers are true or false and explain how they know. Repeat with division.

Key Learning 2 - Fractions

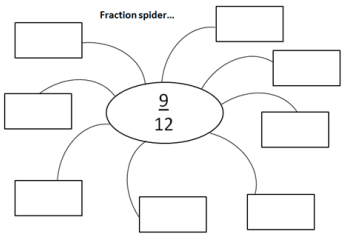
Recognise and explore unit fractions of quantities.

Explore non-unit fractions of quantities and equivalent fractions

Games and Ideas

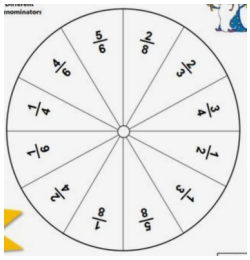


Maybe cut out some tangrams and have a play.



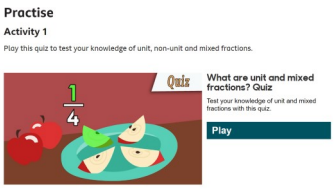
On a piece of paper (if you don't have a printer) draw a fraction spider. Draw pictures to represent the fraction in the middle. Can you think of equivalent fractions.

https://phet.colorado.edu/sims/html/fractions-equality/latest/fractions-equality_en.html Try this game for some help with equivalent fractions.



Make a fraction spinner by putting a pencil in the middle. Spin the spinner twice and add up the fractions.

Play this game on BBC bitesize. https://



www.bbc.co.uk/bitesize/articles/zhgxhbk

Choose some objects from home—lego, pasta shapes etc. Start with 24 of them. To find a quarter we can divide them into 4 groups. To find 3/4 we need to add up all the shapes in 3 groups!

Now try to find out non unit fractions

Graham is serving pizzas at a party. Each person is given $\frac{3}{4}$ of a pizza.

Fill in the table below to show how many pizzas he must buy for each number of guests.

Guests	Pizzas
4	
6	
8	
10	

When will he have pizza left over?