Maths Home- learning Grid (Y4)

Times Tables

We would like to encourage you to practise your times tables everyday as they are so important to many areas of maths. Spend at least 15 minutes a day practising your times tables.

https://ttrockstars.com/

https://www.topmarks.co.uk/maths-games/hit-the-button

https://www.timestables.co.uk/

In addition to these activities, we would like you to practise your number bonds and addition facts (Numbots – login through TTrockstars) everyday.

Fractions – Counting in hundredths.

Think back to our work we did in place value writing tenths and hundredths as a decimal . These are all parts of a whole. This activity will help you to practice counting, ordering and sequencing hundredths as a fraction. .

Fill out the worksheet and use the video link to help you

https://www.khanacademy.org/math/4th-engage-ny/engage-4th-module-6/4th-module-6-topic-b/v/visually-converting-from-tenths-to-hundredths

Shape- Shape hunt in the home

This shape hunt worksheet is a fun way to recap your knowledge of shapes as well as practise your visual observation skills.
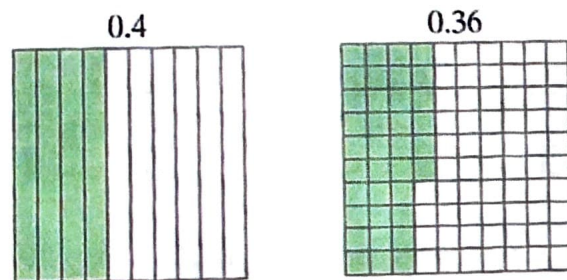
Go on a shape hunt around your house to see what you can find.

Fractions/decimals – comparing decimals.

Use your > greater than less than< or = equals to signs to compare decimals. Remember to use or draw a place value grid to help you

Remember 1 hundredth is smaller than 1 tenth- see picture below demonstrating this

If you are comparing tenths to hundredths, you can use a tenths grid and a hundredths grid. Here, you can see that 0.4 is greater than 0.36.

Use this video to help you:
https://www.youtube.com/watch?v=RHUl4kZDD6c
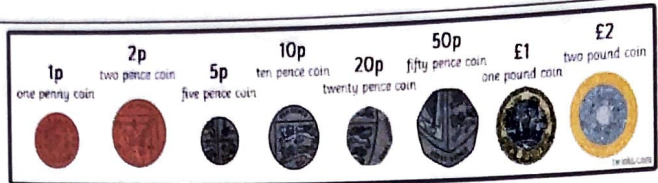
Fractions of amounts

Use raisins, grapes, sweets, or anything else you can share to help you find fractions of amounts. Share them between your teddies and then have a go at drawing the bar model and sharing on there.
Link to video on fractions of amounts by sharing and using the bar model:

https://www.youtube.com/watch?v=PgrFITYXP6Y&list=PLWIJ2KbiNEypSOzxt54Wez5X4gnQ-xxvu&index

Money – Circle the Correct Amount

This money task requires you to circle the correct coins to make the total price given .
You will need to know which coins are which as well as your addition knowledge.

when you have had a go practically, find the answers to the calculations on your Fractions of Amounts worksheet

Multiplication and division — Doubling and halving using bar models.

Practice your doubling and halving skills (times / divide by 2) work through one of the worksheets related. Pick either clouds, moons or stars for this activity. See the example below.

> Doubled number or number to half goes in the top box.

Look at each bar model picture.
Write the double. Write the halving fact.
e.g. Double 43 = ___   Half of ___ = 43

?	
43	43

Springtime Maths Activities

We thought it may be nice today to focus on some fun maths activities with a spring theme!

Check your pack for the following and have a go:

- Roman Numeral Spring Basket

Grab some pencil crayons and colour by numbers …with a Roman twist. If you need to refresh you memory on Roman numerals, please follow the link below.

https://www.youtube.com/watch?v=zlUmAgekzbs

- Spring Mosaic Picture

Solve the maths problems to reveal the hidden picture. Each answer has a special colour — see the key on the worksheet.

- Spring time Ispy and Calculate.

Count the Spring-themes objects and solve the calculations on the worksheet around that theme.

Fractions -Equivalent fractions

You all worked so hard when we recently covered equivalent fractions — now you can put somebody else to the test!

Make a matching pairs game for decimals and their equivalent fractions or just equivalent fractions if you would prefer. For example, if I create a card with the fraction 1/2, then the matching card would be 0.5. Can you do the same for 1/4 and 3/4? Now try some other ones, such as 2/10 , 87/100 or even 235/1000. You could also try adding in some whole numbers, for example 5.25 = 5 1/4 . Make at least 8 matching pairs and then play with someone at home!

Number and place Value —Beebot maths challenges

Put your maths hats on and see if you can help Beebot solve the six challenges all based around number and place value.

1) sequencing numbers
2) placing numbers on a numberline
3) finding different numbers from digit cards
4) knowing the value of a given number
5) ordering numbers
6) creating and ordering numbers

Vocabulary Glossary

Odd number – numbers that end in a 1,3,5,7,or 9
Descending –order from largest to smallest
Ascending – order from smallest to largest

Addition – column addition

You have already had lots of practise with column addition in school. Here is an example to remind you.

```
 453
+348
 801
 11
```

Complete the questions on the 'Caveman Column addition' there is a clouds challenge and a moons/stars challenge.

When youre finished why don't you use dice to generate your numbers and make column addition calculations of your own.

Here is a link to a video to recap the method if you are unsure:

https://www.youtube.com/watch?v=Ttdzw_35OZI

Subtraction – column subtraction

You have already had lots of practise with column subtraction in school. Here is an example to remind you.

```
 6⁷⁷¹2
−  56
   16
```

Complete the questions on either 'transport subtraction' (clouds/ moons) or 'super sale' worksheet (stars)

When youre finished why don't you use dice to generate your numbers and make column subtraction calculations of your own.

Here is a link to a video to recap the method if you are unsure:

https://www.youtube.com/watch?v=KrHvbjSk8kk

Maths Glossary

Create a maths gloassary of maths vocalulary and explanations for any maths terminology that you think people need to know for year 4. Be creative and make it look appealing to look at ☺

See example:

Maths Glossary

This glossary was developed in response to requests from parents at the Maths Evening in October 2014. The explanations of mathematical terms refer to the terms as they are used in the programmes of study.

The glossary is a work in progress. Readers are invited to suggest refinements to explanations and also suggest further terms that should be explained or clarified where it is felt the explanations are unsatisfactory.

acute angle	An angle between 0 and 90 degrees
addition	The operation to combine two numbers or quantities to form a further number or quantity, the sum or total. Addition is the inverse operation to subtraction.
analogue clock	A clock usually with 12 equal divisions labelled 1 to 12 to represent hours. Each twelfth is subdivided into five equal parts providing sixty-minute divisions to represent minutes. The clock has two hands that rotate about the centre. The minute hand completes one revolution in one hour whilst the hour hand completes one revolution in 12 hours
angle	Where two line segments meet at a point, the term describes the measure of rotation from one of the line segments to the other.
approximation	A number or result that is not exact? In a practical situation an approximation is sufficiently close to the actual number for it to be useful. Verb: approximate. Adverb: approximately. When two values are approximately equal, the sign ≈ is used
arc	A portion of a curve. Often used for a portion of a circle.
area	A measure of surface. Area is usually