

Hello

We do hope you are all keeping safe and well. Attached is your learning for the week.

Maths-

Learn 12x table

TTrockstars-5 goes at garage sessions

2x maths frame multiplication checker

We have also been working hard on fractions and we are coming to an end. If you have had any problems with any of the work we have covered then please message us via dojo or Email.

Answers have been included but obviously have a go first!

Work at your own pace

 Use cubes, strips of paper or a bar model to solve:

$$\frac{9}{9} - \frac{4}{9} = \frac{\square}{9} \quad \frac{9}{9} - \frac{\square}{9} = \frac{2}{9} \quad \frac{13}{9} - \frac{9}{9} = \frac{\square}{9}$$

What's the same? What's different?

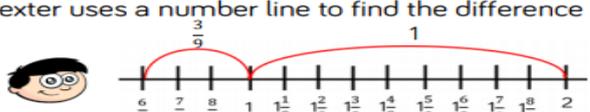
 Jack uses a bar model to subtract fractions. 


$$2 - \frac{3}{4} = \frac{8}{4} - \frac{3}{4} = \frac{5}{4} = 1 \frac{1}{4}$$

Use Jack's method to calculate.

$$3 - \frac{3}{4} = \quad 3 - \frac{3}{8} = \quad 3 - \frac{7}{8} = \quad 3 - \frac{15}{8} =$$

 Dexter uses a number line to find the difference between 2 and  $\frac{6}{9}$


$$2 - \frac{6}{9} = 1 \frac{3}{9}$$

Use a number line to find the difference between:

$$2 \text{ and } \frac{2}{3} \quad 2 \text{ and } \frac{2}{5} \quad \frac{2}{5} \text{ and } 4$$

Dora is subtracting a fraction from a whole.

$$5 - \frac{3}{7} = \frac{2}{7}$$



Can you spot her mistake?

What should the answer be?

How many ways can you make the statement correct?

$$2 - \frac{\square}{8} = \frac{5}{8} + \frac{\square}{8}$$

Dora has not recognised that 5 is equivalent to  $\frac{35}{7}$   
 $5 - \frac{3}{7} = \frac{33}{7} = 4\frac{5}{7}$

Lots of possible responses.  
e.g.

$$2 - \frac{1}{8} = \frac{5}{8} + \frac{10}{8}$$

$$2 - \frac{7}{8} = \frac{5}{8} + \frac{4}{8}$$

$$2 - \frac{9}{8} = \frac{5}{8} + \frac{2}{8}$$

Dora is subtracting a fraction from a whole.

$$5 - \frac{3}{7} = \frac{2}{7}$$



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$$2 - \frac{1}{8} = \frac{5}{8} + \frac{10}{8}$$

$$2 - \frac{7}{8} = \frac{5}{8} + \frac{4}{8}$$

$$2 - \frac{9}{8} = \frac{5}{8} + \frac{2}{8}$$

Whitney has a piece of ribbon that is 3 metres long.

She cuts it into 12 equal pieces and gives Teddy 3 pieces.

How many metres of ribbon does Whitney have left?

Cutting 3 metres of ribbon into 12 pieces means each metre of ribbon will be in 4 equal pieces. Whitney will have  $\frac{12}{4}$  to begin with.

$$\frac{12}{4} - \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$$

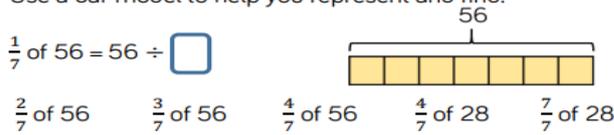
Whitney has  $2\frac{1}{4}$  metres of ribbon left.

Mo has 12 apples.  
Use counters to represent his apples and find:  
 $\frac{1}{2}$  of 12     $\frac{1}{4}$  of 12     $\frac{1}{3}$  of 12     $\frac{1}{6}$  of 12

Now calculate:  
 $\frac{2}{2}$  of 12     $\frac{3}{4}$  of 12     $\frac{2}{3}$  of 12     $\frac{5}{6}$  of 12

What do you notice? What's the same and what's different?

Use a bar model to help you represent and find:



Whitney eats  $\frac{3}{8}$  of 240 g bar of chocolate.  
How many grams of chocolate has she eaten?

### True or False?

To find  $\frac{3}{8}$  of a number, divide by 3 and multiply by 8



Convince me.

False.  
Divide the whole by 8 to find one eighth and then multiply by three to find three eighths of a number.

Ron gives  $\frac{2}{9}$  of a bag of 54 marbles to Alex.

Teddy gives  $\frac{3}{4}$  of a bag of marbles to Alex.

Ron gives Alex more marbles than Teddy.

How many marbles could Teddy have to begin with?

Teddy could have 16, 12, 8 or 4 marbles to begin with.

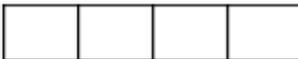
$$\frac{2}{9} \text{ of } 54 > \frac{3}{4} \text{ of } \square$$

Use the counters and bar models to calculate the whole:



There are \_\_\_ counters in one part.

$\frac{1}{4} = \underline{\quad}$      $\frac{2}{4} = \underline{\quad}$      $\frac{3}{4} = \underline{\quad}$      $\frac{4}{4}$  or 1 whole = \_\_\_



There are 7 counters in one part.

$\frac{1}{4} = \underline{\quad}$      $\frac{2}{4} = \underline{\quad}$      $\frac{3}{4} = \underline{\quad}$      $\frac{4}{4}$  or 1 whole = \_\_\_

Complete.

Whole	Unit Fraction	Non-unit Fraction
The whole is 24	$\frac{1}{6}$ of 24 = ___	$\frac{5}{6}$ of 24 = ___
The whole is ___	$\frac{1}{3}$ of ___ = 30	$\frac{2}{3}$ of ___ = ___
The whole is ___	$\frac{1}{5}$ of ___ = 30	$\frac{3}{5}$ of ___ = ___

Jack has a bottle of lemonade.  
He has one-fifth left in the bottle.  
There are 150 ml left.  
How much lemonade was in the bottle when it was full?

22



The school kitchen needs to buy carrots for lunch.

A large bag has 200 carrots and a medium bag has  $\frac{3}{5}$  of a large bag.

Mrs Rose says,

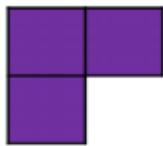
I need 150 carrots so I will have to buy a large bag.



Is Mrs Rose correct?  
Explain your reasoning.

Mrs Rose is correct.  
 $\frac{3}{5}$  of 200 = 120  
Mrs Rose will need a large bag.

These three squares are  $\frac{1}{4}$  of a whole shape.



How many different shapes can you draw that could be the complete shape?

If  $\frac{1}{8}$  of A = 12, find the value of A, B and C.

$$\frac{5}{8} \text{ of } A = \frac{3}{4} \text{ of } B = \frac{1}{6} \text{ of } C$$

Lots of different possibilities. The shape should have 12 squares in total.

$$\begin{aligned} A &= 96 \\ B &= 80 \\ C &= 360 \end{aligned}$$

Now have a go at the maths word document attached separately

### Spellings

Spelling shed is set ready for you to have a go

### Writing

What we would really like for you to start doing is a day to day journal/diary over the next few months for yourself. Try and enter your thoughts, feelings and events that happen to you or your family and friends. What changes are you noticing about yourself and others around you.? Watch Newsround if you can- summarise what the events of that day are. Talk to your family and friends, draw pictures, donate a page to a relevant piece of art that you could create, create some brain breathers for your family to help with your mindfulness.

Make it relevant, make it interesting, make it yours. This is a significant event in your lifetime that in the future people will want to know about. Tell them.

I have included an extract from a very famous diary called the diary of Anne Frank. You may or may not have heard of it but she was a young girl who recorded a significant event that happened to her and now her book is famous throughout the world.

Have a read of this extract – it might help you

### Deric

Thursday 14th June 1942

Dear diary,

Well this has been the scariest day of my life! Luckily, I'm still here to tell the tale and hopefully shall be from now on.

At about half past eight this morning life was going as normal: well as in we were all creeping around in our stocking feet so the workers below couldn't hear us. Then it happened. The clank of footsteps could be heard coming up the stairs. I knew they'd reached the third step from the top - it creaked like grandmother's knees. Immediately we all stopped, stood still and held our breath. Mother went white as a sheet and made that face at me- like don't you

dare make a sound! As if I would be so silly. This was our hiding place, our only chance of not being caught, our one secret that must never be told.

It was as if time stood still (though after I'm sure it was no more than five minutes) like the air had been sucked out from all around me! Nothing, no movement, no sound. Just waiting to hear if the steps would descend back down the stairs. My heart was beating like a drum; my ears were pounding as they listened for any sound that would indicate we'd been found. I stood like a statue staring at my mother, who was doing the same, making no movement no sound. One minute, two minutes, three minutes, how many had passed? Still we stood, frozen to the spot.

After what seemed an eternity the footsteps turned, making that gritty sliding on floorboards sound. Voices could be heard getting fainter and fainter. Whoever it had been had finished their chore and had moved on. My mind filled with the most dreaded thought. Who could it have been? Gestapo? Workers collecting something? I stared wide-eyed at my mother. The all-clear signal to move was given to me by my mother. I crept into my small, cramped bedroom at the back of the secret annexe and quietly pushed the door to.

Collapsing heavily, the biggest sigh ever left my chest! I was sure that was the closest we'd ever come to being found. I can't even imagine what would happen to us if we did. How long do we have to live like this? There are so many things I miss: my school friends; visits to the park; theatre trips and just being outside!

It fills me with dread, what will tomorrow bring?

Why were they wearing stockings?

How did Anne know they had reached the third step?

What was the secret that should never be told?

Why do you think it felt like time had stood still?

How do you think they were feeling as they were climbing the stairs towards them. What physical or emotional impact would be happening to their bodies?

What do you think the significant event was? Discover ....

What do you think they might be hiding from?

Who or what is gestapo?

How does Anne's situation relate to yours today?

Reading – Read daily with an adult for 10 minutes

### Learning journey

If you have managed to collect your journal from school you should have enough information to now create a brochure on Costa Rica including all the facts that we have compiled over the last 4-5 weeks.

Your brochure should be divided into:

- Introduction
- Map and geography of where Costa Rica can be found
- Climate
- Food
- Lifestyle
- Conclusion

I have attached a start of a model for you but know that you can do better than me. You always do!

I will post each stage – day to day!

Today (Monday) have a go at an introduction

Try and include the literacy skills that were focused on

- Rhetorical questions
- Exaggeration
- Alliteration
- Class target
- Personal target

Most of all have fun creating it – draw maps, pictures, climate graphs

My model

Do your batteries need recharging? Are you fed up with the cold, damp days in England? Do you want to spice up your life and escape from the routine lifestyle you live in? Then Why not continue to read on and discover the wonders of Central America.



Costa Rica is a small country which lies near to the Equator. With a population of 5 million people and covering an area of approximately 20,000 square miles, it is packed full of such diversity. Lush steaming jungles, towering clad mountains hosting misty cloud forests, fertile coffee growing valleys, arid grasslands and of course pristine golden beaches. Surely, this is an ideal holiday for you?

Good luck!

I will post a model of each section daily!

Mrs. Cairns/ Mrs. White