YEAR 6





Hello Year 61

Congratulations! You completed SATSs week!

We hope you en joyed our SATs activities and even though they weren't the real thing, you can now say that you have done your SATs! You may have seen on Twitter our #ToastTimeChallenge where we wanted you to guess whose toast belonged to which teacher! Well done if you got it right. We hope you all took part in Julie's Toast Time to experience SATs week fully. We know it's getting hard to stay at home and be away from your friends and families but you're all doing a great job of learning at home. Seeing your friends and families for your celebration party last Friday was a great way to bring everyone back together. This week, we're going back to our normal format of activities – keep up the hard work and remember, doing a little bit every day will keep your brains active and ready for September.

Miss Moule Miss Hill Julie

EVERY DAY

Daily Maths lessons - $\frac{https://whiterosemaths.com/homelearning/year-6/}{https://whiterosemaths.com/homelearning/year-6/} (Summer term Week 3 w/c <math>\downarrow^{th}$ May) We are a little behind the WR maths schemes but please try to stick to the weeks we plan. If you have already completed this week, please go back to a week you haven't done.

Watch the video and then complete the written task (some of these need printing). This is 30-40 minutes work. This week is Fractions. There is no video or activity for FRIDAY, there are enough activities to continue to do 2 sheets per day.

We have also created an arithmetic daily practice sheet (week 2). Complete I box of 8 questions per day. You can find this on the website, near this sheet.

Mathletics — 15-20 minutes (more if you wish).

Read for at least 30 minutes.

CGP BOOKS (across the whole week) Maths — Pages 29-34 (after completing White Rose Tasks). This is for

English — Section 4 and pages 20–21

pages 74-80.

all 3 math's groups. And

SURVIVAL OF THE FITTEST! Additional tasks for this week (18/5/20)

English

Monday

Research! Continuing with our Survival of the Fittest topic, we are going to be looking into Inheritance. What does this word mean? Use this PowerPoint and video to help you. https://www.twinkl.co.uk/resource/tp2-s-II2-new-planit-science-year-6-evolution-and-inheritance-lesson-l-inheritance-lesson-pack

https://www.bbc.co.uk/bitesize/topics/zvhhvcw/articles/zp9f4qt Make some notes to help you for the rest of the week's learning.

SPAG - https://www.twinkl.co.uk/go/resource/year-6-special-agent-training-exercises-punctuation-and-grammar-game-tq-qa-194-

Tuesday

SPAG - CGP Book pages 42-45

Reading Comprehension — Giant turtle fossil. https://www.twinkl.co.uk/resource/uks2-giant-turtle-fossil-found-daily-news-resource-pack-t-wn-1132

Wednesday

Using your family tree to help you, use the template below or draw yourself in the middle of a page to annotate any similar features you have with any of your relatives! You could annotate the features you have inherited from your parents in one colour and other features from other relatives in another colour. Do you have features that are more similar with your parents? Why or why not? Why do we inherit characteristics from our parents? Why don't we look exactly the same as our parents or siblings? Think about these questions and discuss them with your family.

Thursday

Choose a family member you are most interested in finding out about. Use photos and information from your family to create a history page of writing and pictures all about them. You can present it in any way you want!

Eriday

SPAG CGP Book pages 46-51

Reading Comprehension CGP Book pages 20-21

TOPIC

French — Telling the time! Use this website to help you:



https://www.twinkl.co.uk/resource/tp2-l-160-planit-french-year-6-all-in-a-daylesson-l-oclock-half-past-quarter-pastquarter-to-lesson-pack

Then, have a go at creating this clock to tell the time. All you need is 2 paper plates or cut out 2 circles of paper.

Science — Create a family tree, if possible using photos of your relatives. It's up to you how far back you go to investigate your family's ancestors. You can use paper or create one using a computer.

Computing—Algorithms and debugging! https://www.bbc.co.uk/bitesize/articles/zh.drl+7h

Daily Practice – 1

- 1) 7699 + 1352 =
- 3) 12 x 36 =

2) 1298.3 - 445 =

- 4) 526 / 7 =
- 5) 1/3 + 2/5 =
- 6) 39% as a decimal =
- 7) 4.36 x 100 =
- 8) 16 x 3 12 =

Daily Practice – 2

- 1) 369.3 + 7665 =
- 2) 2243-1377=
- 3) 341 x 12 =
- 4) 333/13=
- 5) 3/5 + 2/4 =
- 6) 1.46 as a fraction =
- 7) 0.347 / 10 =
- 8) $12 \times 2 \times 3 =$

Daily Practice – 3

- 1) 5689 + 1412 =
- 2) 22.6-16.03=
- 3) 13 x 25 =

4) 4682/9=

- 5) 7/9+3/5=
- 6) 27/100 as a percentage =
- 7) 1.321 x 100 =
- 8) 6 squared + 8 x 2 =

Daily Practice – 4

- 1) 128.6 + 742.3 =
- 2) 588-455.4=
- 3) 59 x 15 =
- 4) 2585/11 =
- 5) 9/10+1/4=
- 6) 52/100 as a decimal =
- 7) 0.358 / 100 =

- 8) $7 \times 6 / 3 =$

Daily Practice – 5

- 1) 88.08 + 57.5 =
- 2) 852-135=
- 3) 52 x 14 =
- 4) 1682/16 =
- 5) 4/7 + 4/6 =
- 6) 96% as a fraction =
- 7) 0.035 x 1000 =
- 8) 8 x 12 x 2 =

Daily Practice – 6

- 1) 3102 + 364.2 =
- 2) 42.01 13.4 =
- 3) 852 x 15 =
- 4) 4389/8 =
- 5) 8/10+4/6=
- 6) 0.71 as a percentage =
- 7) 168 / 100 =
- 8) 8 squared + 4 x 3 =

Simplify fractions



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Use the fraction wall to write each fraction in its simplest form.

a)
$$\frac{4}{6} =$$

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d)
$$\frac{4}{8}$$
 =

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8	

a) Use a fraction wall to explain why $\frac{7}{10}$ does not simplify.

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Mo, Eva and Ron are trying to simplify $\frac{5}{20}$

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I can't simplify
this because only one number
can be halved.



EVQ

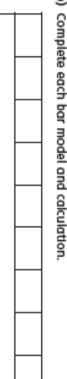
I can simplify any fraction.

Do you fully agree, partly agree or completely disagree with each person?

Talk to a partner.

- a) Draw lines on the bar model to show that $\frac{9}{12}$ is equal to $\frac{3}{4}$

b) Complete each bar model and calculation.



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-

15

Simplify the fractions.

a)
$$\frac{4}{12}$$
 =

6|₄

6||8

b)
$$\frac{8}{12}$$
 =

c)
$$\frac{40}{120}$$
 =

d)
$$\frac{12}{4}$$
=

2|₄

Describe and explain any patterns that you noticed



Write 3 fractions that simplify to $\frac{3}{5}$

Teddy and Dora are both simplifying $\frac{30}{42}$

 $\frac{30}{42} = \frac{15}{21} = \frac{1}{21}$ Teddy 45

Dora
$$\frac{30}{42} = \frac{5}{7}$$

- a) How do you think Dora was able to simplify the fraction in one step?
- b) Simplify these fractions in one step.

99 121 =











The fraction can be simplified.

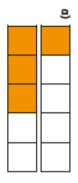
Is a multiple of 10

What could each number be? Explain your reasoning.

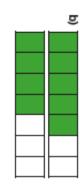
Compare and order (denominator)



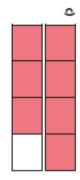
Write <, > or = to compare the fractions. Use the bar models to help you.













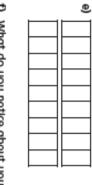


9











f) What do you notice about your answers?

0

smallest

g) Complete the sentence.

When the denominators are the same, the

the numerator, the _ the fraction.



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b) Use the bar models to sort these fractions in order from greatest to smallest.

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4|7









smallest

greatest

c) Order the fractions from smallest to greatest

10







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greatest

Amir is comparing the fractions
$$\frac{4}{15}$$
 and $\frac{3}{10}$

$$\frac{4}{15} = \frac{8}{30}$$
 $\frac{3}{10} = \frac{9}{30}$
 $\frac{9}{30}$ is greater than $\frac{8}{30}$
 $\frac{3}{10}$ is greater than $\frac{4}{15}$

Explain Amir's method.

Ð Ron and Rosie are practising penalties.

Rosle scored 23 out of 30

Ron scored 7 out of 10.

than you, so I should take penalties for the I scored more school team.





many as you, so I should take I did not miss as the penalties.

school team. Compare fractions to explain who should take penalties for the



Write <, > or = to compare the fractions.

6 5



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Annie, Tommy and Kim are making flags for the school fair. and Kim has completed $\frac{18}{5}$ flags. Annie has completed $3\frac{3}{4}$ flags, Tommy has completed $3\frac{2}{3}$ flags

Who has completed the most flags?

Compare and order (numerator)



a) Colour the bar models to compare $\frac{3}{4}$ and $\frac{6}{10}$

the sentences. Use strips of paper to represent the fractions and complete



b) Write <, > or = to complete the statement

The smallest fraction is

2

3, 5 and 6

The greatest fraction is

Which is the greatest fraction? Circle your answer.

100 300

3 1000

500 30

The smallest fraction is $\frac{2}{3}$, $\frac{2}{5}$ and $\frac{2}{6}$

5

The greatest fraction is

How do you know?

٥ $\frac{3}{3}$, $\frac{3}{5}$ and $\frac{3}{6}$

The greatest fraction is

9

7

The smallest fraction is

d) What do you notice about your answers?

9

4 | 7

7 4

e) Complete the sentence.

When the

are the same, the

the fraction.

the denominator, the

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Write < or > to compare the fractions.

- ತಿ 2|1 =|=
- 9 5 9 6 9
- Ð 53 40

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Compare their scores. Explain who you think did best and why.	Scott scored 20 out of 24 in a game. Dani scored 5 out of 7	Complete the sentence to compare $\frac{2}{3}$ and $\frac{4}{5}$ is greater than	Explain how can you compare $\frac{2}{3}$ and $\frac{4}{5}$ using the same numerator rule.





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$$1\frac{2}{5}$$
 $3\frac{6}{1}$

$$11\frac{2}{9}$$
 $\frac{10}{9}$

$$\frac{1\frac{2}{5}}{2} \left(\frac{1\frac{1}{3}}{3} \right)$$

$$\frac{11\frac{1}{9}}{2}$$

$$\frac{12}{5} \bigcirc \frac{12}{3}$$

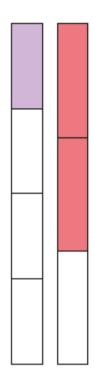
$$27\frac{3}{4}$$
 $\frac{11}{3}$

Explain how you know when it is best to compare the numerators or denominators of two fractions.

Add and subtract fractions (2)

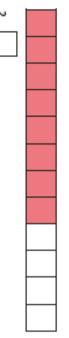


Amir is using fraction strips to work out $\frac{2}{3} + \frac{1}{4}$

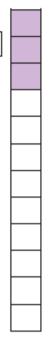


Amir says he needs to find a common denominator.

a) Complete Amir's method.



$$\frac{2}{3} = \frac{}{12}$$



$$\frac{1}{4} = \frac{1}{12}$$

$$\frac{2}{3} + \frac{1}{4} = \frac{1}{12} + \frac{1}{12} = \frac{1}{12}$$

show the addition on the fraction strip.

c) Could you have used a different denominator?



What common denominator can you use to add the fractions?

a) $\frac{2}{5} + \frac{1}{2}$

Common denominator =

b) $\frac{2}{3} + \frac{4}{5}$

Common denominator =

c)
$$\frac{7}{8} - \frac{1}{4}$$

Common denominator =

d)
$$\frac{7}{9} - \frac{1}{6}$$

Common denominator =

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5		
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10		w

e)
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_+ 1
5

Common denominator =

Ron and Eva are working out $\frac{1}{4} + \frac{5}{6}$

Ron's method

$$\frac{1}{4} + \frac{5}{6} = \frac{3}{12} + \frac{10}{12} = \frac{13}{12}$$

Eva's method

$$\frac{1}{4} + \frac{5}{6} = \frac{6}{24} + \frac{20}{24} = \frac{26}{24}$$

a) What is the same about Ron's and Eva's methods?

b) What is different about their methods?

c) Which method do you prefer? Why?

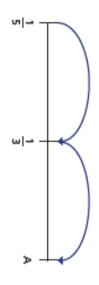
- Complete the calculations.

a)
$$\frac{1}{5} + \frac{3}{4} =$$

$$0^{\frac{1}{2}}$$

b)
$$\frac{7}{8} - \frac{1}{3} =$$

Mo is drawing jumps on a number line. The Jumps are the same size.



a) What is the size of the jump?

b) What is the value of A?

Complete the bar model

18

6|<u>-</u>

9|5



Complete the additions.

Give your answers as mixed numbers and as improper fractions.

a)
$$\frac{4}{5} + \frac{5}{4} =$$

c)
$$\frac{9}{8} + \frac{8}{9} =$$

d) =
$$=\frac{5}{3} + \frac{3}{5}$$

b) $\frac{2}{3} + \frac{3}{2} =$

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What patterns do you notice?



Look at these additions.

$$\frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} =$$

a) When does this pattern first give an answer greater than 2?

b) Do you think the pattern will ever give an answer greater

than 100?

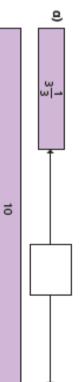
Work out the calculations. a) $\frac{2}{5} + \frac{3}{4} =$

c)
$$3\frac{7}{10} - 2\frac{1}{4} =$$

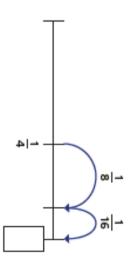
2 Complete the calculation.

$$\frac{5}{6} + 1\frac{2}{9} - \frac{1}{2} =$$

Work out the missing fractions.



5



Complete the calculations.

a)
$$\frac{2}{5} + \frac{1}{5} + = 1$$

b) $\frac{2}{5} + \frac{1}{5} + = 1\frac{1}{2}$

c)
$$\frac{2}{5} + \frac{1}{5} + \frac{4}{3}$$

d) $\frac{4}{5}$ = 5 4

- **u**
- Which of these are true and which are false?

A painter uses the following mixtures.

How much more green paint does she have than purple paint?

the subtractions? Can you decide without having to do the additions or

Talk about your reasons with a partner.

	$3\frac{3}{4} - 2\frac{1}{3}$ is equal to $3\frac{1}{3} - 2\frac{3}{4}$
	$3\frac{3}{4} - \frac{1}{3}$ is less than $4\frac{3}{4} - 1\frac{1}{3}$
	$2\frac{1}{3} + 3\frac{3}{4}$ is equal to $3\frac{1}{3} + 2\frac{3}{4}$
True or false?	

paint





Complete the addition grid.

=		1 25	1 1/4
=	1 1/50	1 3/20	
=	1 3 100		$\frac{1}{4}$
'	= 5 9	= 3 <u>39</u>	

- Eva and Amir are working out this calculation.

$$\frac{1}{4} + \frac{25}{100} - \frac{2}{8} - \frac{9}{36}$$

to be very difficult, because I can't find a common denominator. This is going



Find Amir's solution. Explain how this calculation can be solved.

an easier way.

20th February 2020

Scientists Find Fossil of Giant Turtle Šhell

What was Stupendemys geographicus?

- Stupendemys geographicus was "the largest land turtle of all time".
- It was 4m long and was 100 times larger than its nearest living relative - the Amazon river turtle.

Millions of years ago huge creatures, like the sabre-toothed cat, roamed Earth. It now seems that a gigantic turtle existed at the same time too! The species could have been one of the largest turtles to have ever existed.

Scientists found fossils of the huge turtle's shell in Venezuela, a country in South America.

The team gave the turtle the name Stupendemys geographicus. It means 'stupendous turtle' in Latin.

The turtle lived up to its name with its impressive size! It lived around 10 million years ago, in a wetland habitat in South America.

Professor Edwin Cadena said it was "the largest land turtle of all time". It was around 4m long - the same size as a small car.

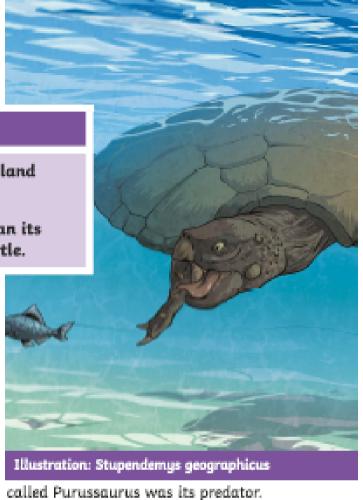
Professor Cadena also told reporters the turtles ate "fishes, caiman, snakes - as well as molluses."

The turtle was 100 times bigger than the largest turtle on Earth today.

The turtles had huge shells that were about 3m long! Males had horned shells. They used them to fight other males for territory and mates.

The team of scientists say deep scars on the fossils could be evidence of a fight.

The turtle had to be careful of another animal in its habitat. There was an even larger animal in its habitat that hunted the prehistoric turtle. Scientists believe that an 11m-long caiman



Professor Cadena said that "bite marks" were found on one of the shells. This could be evidence of an attack.

Scientists say the shells will help them to understand how turtles evolved. The theory of evolution explains how animals change over a long period of time to adapt to their habitat.

Glossary

fossils Remains of a prehistoric animal.

caiman A reptile that is similar to an

alligator that's found in tropical

areas of America.

molluses Invertebrates, such as snails,

slugs, mussels and octopuses.

prehistoric A time before people wrote

things down.

Questions

1.	Why do you think the turtle was given the name 'stupendous turtle'?		
2.	Find and copy three facts about the Stupendemys geographicus.		
	1.		
	2		
	3		
3.	'The turtle certainly lived up to its name' This suggests that		
	O the turtle was very violent.		
	O scientists have chosen a good name for it.		
	the turtle wasn't particularly impressive.		
	O the turtle wasn't strong enough.		
4.	'Scientists say the shells will help them to understand how turtles evolved.' Tick the word that is closest in meaning to 'evolved'.		
	O changed		
	O hunted		
	○ lived		
	O remained		
5.	What do you think the scientists will do next? Explain your answer.		
6.	Write a summary of the story in 20 words or fewer.		

