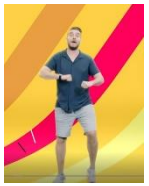
YEAR 5 WEEKLY LEARNING MAT 8

MATHS ZONE

Keep your times table knowledge in check!
Collect points on Maths shed
https://www.mathshed.com/en-gb

Practise your times tables while doing a workout!
https://www.bbc.co.uk/teach/supermovers/ks2-maths-multiples-mash-up-march-with-mr-p/zkdy2sg



White rose maths

Summer Term - Week 4 (w/c 11th May)
https://whiterosemaths.com/homelearning/year-5/

Lesson 2 – Equivalent fractions

Lesson 3 – Improper fractions
Worksheets below learning mat

Practice your short multiplication

Using the digits

5 6 3 7

____ ____ ____ x _____ =

What's the largest answer you can get?
What's the smallest answer?
What if it has to have an even answer?

ENGLISH ZONE

http://www.wordsforlife.org.uk/listen-sarah-jane-adventures
Listen to the Sarah Jane Adventures

The Sarah Jane Adventures (read by Elisabeth Sladen) and *Doctor Who* stories, read by members of the TV series, including David Tennant.

Broken into four parts as there's so much to enjoy – download all four to get your full hour of listening adventure.

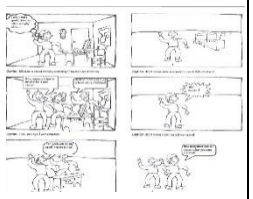
Write a character description of a made up superhero or villain if you prefer.

Read the character description added below the mat.
Complete the activity before writing your own description.

How can you show your characters personality through their actions and speech rather than just describing them?

http://www.readwritethink.org/classroom-resources/student-interactives/comic-creator-30021.html

Create your own comic strip.
Who will be the super hero?
What will they save/ rescue?
Who is the villain?
How are they trying to stop them succeeding?



TOPIC ZONE

Try the BBC Y5 daily lessons
https://www.bbc.co.uk/bitesize/dailylessons

Bitesize

Try Oak National Academy lessons
https://www.thenational.academy/online-classroom

WORLD RECORD HEIGHTS

Scroll to take the rocket into space.
http://www.bbc.co.uk/future/bespoke/20140304-how-big-is-space-interactive/

Write some of the world records from the journey?

Could you find out more about when these we made? Who made them?

How could you present them in an interesting way?
Certificates? A graph? A presentation? A news broadcast?

Brazilian Mardi gras

Learn all about the colourful carnival.

Can you design an outfit for the Mardi Gras?

You could even try and make a head dress, a mask, a scale model or a collage.

https://www.marvelhq.com/create-your-own-super-hero

Create your own super hero

No access to internet.
Why not draw one?
What super power would they have?
What costume would they wear?

Can you share your learning on your class page

twitter

Keep your eye on the school blog for more fun activities to keep you busy!

Miss Trunchbull, the Headmistress, was something else altogether. She was a gigantic holy terror, a fierce monster that frightened the life out of pupils and teachers alike. As she came bounding across the playground, marching like a storm-trooper with long strides and arms swinging everyone else trembled with fear. Up close you could almost feel the dangerous heat radiating from her as from a red-hot rod of metal. If a group of children dared to be in her path, she'd plough right on through them like a tank. With a menacing glare she would bellow "Get out of my way you measly little children."

As for her clothes they were, to say the least, extremely odd. She always had on a brown cotton smock which was pinched in around the waist with a wide leather belt. This belt was fastened with an enormous silver buckle, which you just know she would use as a weapon against anyone who challenged her. She sported green stockings with turn-up tops, which displayed her large bulging calf muscles.

With one of her huge, muscular fingers she would pick up any child as if they were as light as a feather. "How dare you disobey my rules!" she would grunt loudly whilst holding a child dangling by one of his tiny pin-like legs. Without a care in the world she would release her powerful grip sending the poor innocent child crashing to the ground. "Let that be a lesson to the rest of you little brats," she would roar whilst thumping her humongous palms together. Stomping angrily, she would disappear back into the school building.

Underline

Appearance in one colour

Actions in one colour

Speech in another

Think about how the actions and speech help build a picture of how she looks?

What characteristics does it give away about her personality?

Could you draw and label her just from what you have read?

Words and phrases to describe your character's appearance:

Draw a sketch of your character.

What does your character do in the story?

What do their actions tell you about their personality?

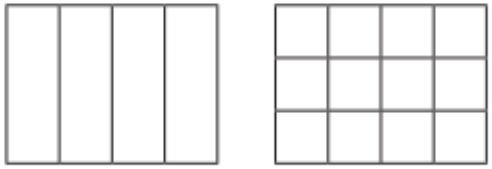
Equivalent fractions

1 Shade the shapes to show the equivalent fractions.

a)

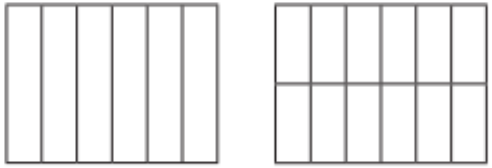
$\frac{1}{4} = \frac{\square}{12}$

b)



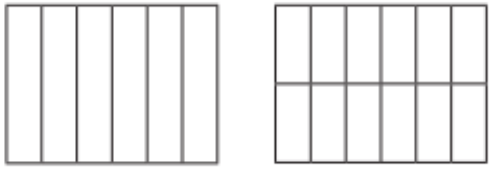
$\frac{3}{4} = \frac{\square}{12}$

c)



$\frac{1}{6} = \frac{\square}{\square}$

d)



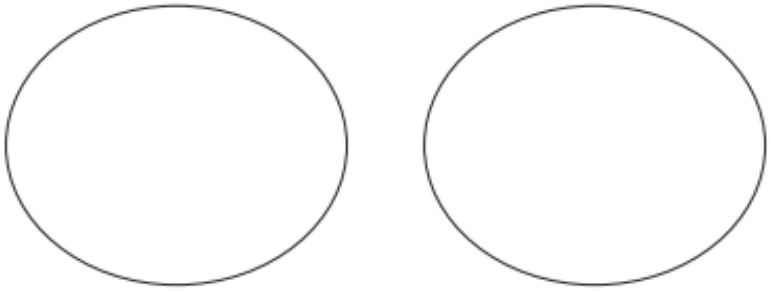
$\frac{5}{6} = \frac{\square}{\square}$

2 Draw two rectangles to show that $\frac{1}{3} = \frac{4}{12}$

3 **a)** Sort the fractions into the groups.

Equivalent to $\frac{1}{4}$

Equivalent to $\frac{1}{3}$



$\frac{5}{15}$	$\frac{2}{6}$	$\frac{3}{12}$	$\frac{6}{24}$	$\frac{8}{24}$	$\frac{5}{20}$	$\frac{4}{12}$	$\frac{2}{8}$

b) Write one more fraction in each group.

4 Complete the equivalent fractions.

a) $\frac{1}{7} = \frac{\square}{14}$

b) $\frac{5}{7} = \frac{\square}{14}$

c) $\frac{7}{8} = \frac{14}{\square}$

d) $\frac{3}{4} = \frac{6}{\square}$

e) $\frac{3}{4} = \frac{12}{\square}$

f) $\frac{3}{4} = \frac{\square}{12}$

g) $\frac{2}{\square} = \frac{10}{15}$

h) $\frac{2}{\square} = \frac{10}{25}$

i) $\frac{2}{7} = \frac{10}{\square}$

5 Find three ways to make the fractions equivalent.

a) $\frac{1}{\square} = \frac{7}{\square}$

$\frac{1}{\square} = \frac{7}{\square}$

$\frac{1}{\square} = \frac{7}{\square}$

b) $\frac{7}{\square} = \frac{14}{\square}$

$\frac{7}{\square} = \frac{14}{\square}$

$\frac{7}{\square} = \frac{14}{\square}$

c) $\frac{\square}{7} = \frac{\square}{14}$

$\frac{\square}{7} = \frac{\square}{14}$

$\frac{\square}{7} = \frac{\square}{14}$

6 Ron is finding equivalent fractions to $\frac{1}{4}$

$\frac{1}{4}$ is equivalent to $\frac{5}{8}$ and $\frac{9}{12}$

Do you agree with Ron? _____

Draw a diagram to support your answer.

7 Here are some equivalent fractions.

Find the values of A, B and C.

$\frac{A}{9}$	$\frac{3}{B}$	$\frac{2}{18}$	$\frac{C}{90}$

A = ☐ B = ☐ C = ☐

8 Here are three fraction cards.

All the fractions are equivalent.

$\frac{3}{A}$	$\frac{B}{14}$	$\frac{12}{C}$

A + B = 13

Work out the value of C.

C = ☐

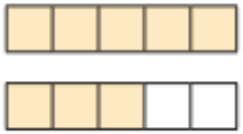
9 $\frac{1}{5} = \frac{3}{1 + ●}$

Find the value of ●

Improper to mixed numbers

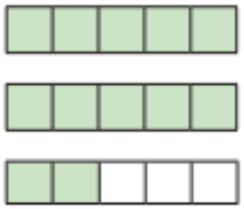
1 Convert the improper fractions to mixed numbers.

a)



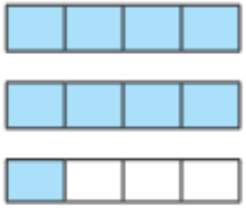
$\frac{8}{5} = \square$

b)



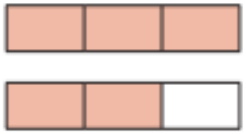
$\frac{\square}{5} = \square$

c)



$\frac{\square}{\square} = \square$

d)

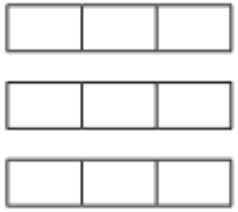


$\frac{\square}{\square} = \square$

2 Shade the bar models to represent each improper fraction.

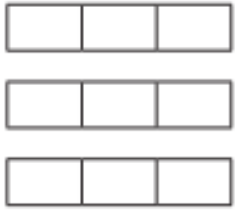
Convert the improper fractions to mixed numbers.

a)



$\frac{7}{3} = \square$

b)



$\frac{8}{3} = \square$

c)

$\frac{9}{4} = \square$

d)

$\frac{11}{4} = \square$

3 Convert the improper fractions to mixed numbers.

a) $\frac{10}{2} =$ ☐

b) $\frac{10}{3} =$ ☐

c) $\frac{10}{4} =$ ☐

d) $\frac{10}{5} =$ ☐

e) $\frac{12}{5} =$ ☐

f) $\frac{13}{6} =$ ☐

g) $\frac{13}{7} =$ ☐

h) $\frac{31}{8} =$ ☐

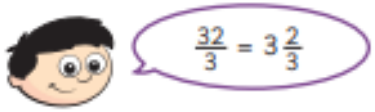
4 Eva has 7 bottles of juice.

Each bottle contains half a litre of juice.

How many litres of juice does Eva have altogether?

Write your answer as a mixed number.

5 Dexter is converting improper fractions.



Explain why Dexter is incorrect.

6 Find the value of ●

$\frac{27}{●} = ● \frac{2}{●}$

● = ☐

7 Find two possible values for ★ and ▲

$\frac{30}{★} = ▲ \frac{2}{★}$

★ = ☐ ▲ = ☐

★ = ☐ ▲ = ☐

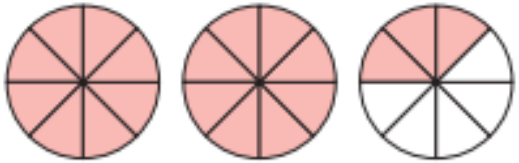
Mixed numbers to improper fractions

1 Convert the mixed numbers to improper fractions.

a)

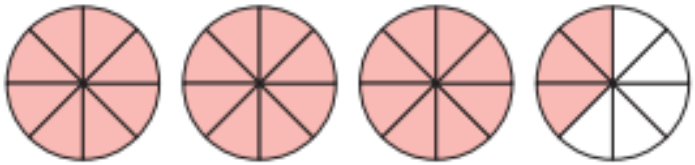
$2\frac{3}{4} = \frac{\square}{4}$

b)



$2\frac{3}{8} = \frac{\square}{8}$

c)



$3\frac{3}{8} = \frac{\square}{8}$

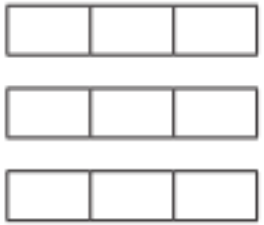
2 Convert the mixed numbers to improper fractions.

Colour the bar models to help you.

a)

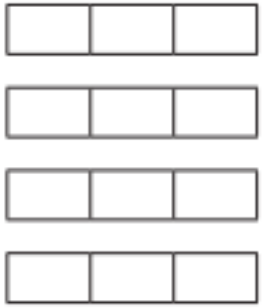
$2\frac{1}{4} = \square$

b)



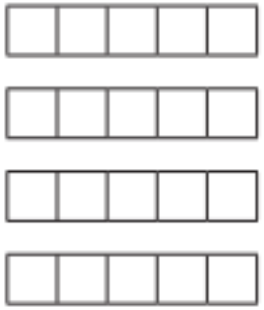
$2\frac{1}{3} = \square$

c)



$3\frac{1}{3} = \square$

d)



$3\frac{2}{5} = \square$