## WRITING CHALLENGE


https://www.pobble365.com
Check out the Writing Challenge on the above link.
See if you can complete
> ‘Sick Sentences’
> 'Question Time'
> 'Perfect picture'
> 'Sentence Challenge’
> 'Complete the story'

## Story starter!



New York is falling!
The words rang in Jim's head. They were the last words to crackle out of the radio before it stopped broadcasting. That had been three days ago. Jim had not heard any words since then...

## Question time!

- Why had the radio stopped working?
- Why hasn't Jim heard any words for three days?
- What has happened in New York?
- How do you know the picture is New York?
- How do you think Jim is feeling?
- What will he do next?
- What would you do in Jim's position?
- Has this disaster struck in just this city, or are others affected?


## Sentence challenge!



Can you use a colon to start a list?
E.g.

Jim was hit by a series of strong emotions: shock, panic, despair and fear. He didn't know what to do next...

## Sick sentences!

These sentences are 'sick' and need help to get better. Can you help?

- Jim stood in the city.
- It was messy.
- It was very quiet.
- Jim felt scared.


## MATHS CHALLENGE



Check out the daily Maths Sessions on White Rose Hub. Make sure you watch the videos first. I have been really impressed to see how well you have all been doing on these. Keep it up. Complete the Wednesday activity on Maths Shed

Complete 'Daily 10'

Have a go at ‘Grand Prix Multiplication'. Private games will take place at 12.00 this week. Note the change of time! Feel free to join. The password will be ' $y 6$ '.
(3)

Complete the calculations.


What patterns do you notice?
(4)

Complete the multiplication.


What method did you use? Is there a different method you could have used?

Match the calculations.
$\frac{2}{3}+\frac{2}{3}$
$\frac{1}{4} \times 24$

$$
18 \times \frac{1}{4}
$$

$$
\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}
$$


$\square$
$12 \times \frac{1}{2}$
$1 \frac{1}{2} \times 3$ $\square$

6
Write each answer as a mixed number in its simplest form.
a) $1 \frac{1}{5} \times 2=$ $\square$
d) $2 \frac{2}{5} \times 5=$ $\square$
b) $\square$
e) $7 \times 3 \frac{1}{2}=\square$
c) $2 \frac{2}{5} \times 4=$ $\square$
(7)

Fill in the missing numbers.
a) $2 \frac{\square}{7} \times 3=6 \frac{6}{7}$
b) $2 \frac{\square}{8} \times 3=7 \frac{1}{2}$
(8) Tommy's dog eats $3 \frac{1}{2}$ tins of food a week. How many tins does she eat in a year?

9


Jack builds a tower using grey blocks.
Alex builds a tower using red blocks.
The towers are exactly the same height.
How many blocks could they each have used?

## Multiply fractions by fractions

b) $\frac{1}{2} \times \frac{2}{3}=\square$

|  | $\frac{1}{2}$ | $\frac{1}{2}$ |
| :---: | :---: | :---: |
| $\frac{1}{3}$ |  |  |
| $\frac{1}{3}$ |  |  |
| $\frac{1}{3}$ |  |  |

(3) a) Divide the square to show that $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{6}{12}$

Explain how this shows $\frac{1}{2} \times \frac{1}{3}=\frac{1}{6}$
$\qquad$
$\qquad$
(2) Shade the diagrams to show the fraction multiplications. Complete the multiplications.
a) $\frac{1}{2} \times \frac{1}{4}=\square$


b) Mo says $\frac{2}{3} \times \frac{3}{4}$ is equal to $\frac{1}{2}$

Is Mo correct? $\qquad$
Explain your answer.
$\qquad$

4 Complete the calculations.
a) $\frac{1}{4} \times \frac{1}{5}=$
e) $\frac{3}{4} \times \frac{1}{5}=\square$
b) $\frac{1}{5} \times \frac{1}{6}=\square$
f) $\frac{2}{5} \times \frac{5}{6}=\square$
c)

g) $\frac{5}{7} \times \frac{5}{8}=\square$
d) $\frac{1}{8} \times \frac{1}{9} \times \frac{1}{10}=\square$
h) $\frac{3}{8} \times \frac{2}{9} \times \frac{3}{10}=\square$

5 Use the diagram to complete the calculations.
$\square$
b) $\frac{2}{3}$ of $\frac{3}{4}=\square$ $\square$
c) What do you notice about your answers? Talk to your partner.

6 Fill in the missing numbers.
a) $\frac{1}{10}=\frac{1}{2} \times \frac{1}{\square}$
b) $\frac{1}{5} \times \frac{\square}{3}=\frac{2}{15}$
b) $\frac{1}{5} \times \frac{}{3}=\frac{2}{15}$

7 Fill in the missing numbers.
a) $\frac{1}{10}=\frac{\square}{4} \times \frac{\square}{5}$
b) $\frac{1}{4}=\frac{\square}{4} \times \frac{\square}{5}$

8 Calculate the area of the shapes
a)

b)



9 Work out the area of the shaded part.

$\square$

Divide fractions by integers (2)
(1)

a) Write two things that are the same about the calculations.
b) Write one thing that is different about the calculations.
c) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 2$
a) $\frac{1}{3} \div 2=\square$

b) $\frac{1}{3} \div 3=\square$

c) $\frac{2}{3} \div 3=\square$

(3) $\frac{3}{4}$ of a kilogram of rice is divided equally between two bowls.


How much rice is in each bowl?

Work out the divisions.
a) $\frac{1}{5} \div 7=$ $\square$
f)

b)

g) $\frac{8}{3} \div 7=$
$\square$
c) $\frac{1}{4} \div 9=$ $\square$
h)

d)

i)

e) $\frac{4}{9} \div 7=$ $\square$
j)


5 Write $<,>$ or $=$ to complete each statement.
a) $\frac{1}{3} \div 5 \bigcirc \frac{1}{5} \div 3$
b) $\frac{1}{3} \div 3 \bigcirc \frac{1}{5} \div 5$
c) $\frac{3}{5} \div 5 \bigcirc \frac{3}{5} \div 3$

6 There are some cones in the PE shed.
Classes 1,2 and 3 share them equally.

- Class 1 put theirs into 4 equal piles.
- Class 2 put theirs into 5 equal piles.

- Class 3 put theirs into 11 equal piles.

What fraction of the whole number of cones is in each pile?

|  | Fraction in each pile |
| :--- | :--- |
| Class 1 |  |
| Class 2 |  |
| Class 3 |  |

7 a) Which of these statements are true? Tick your answers.

b) What do you notice?

Is it only true for halves?
Does it work for non-unit fractions?
Talk to a partner.

## Fractions of an amount

(3)

Calculate the missing values.


(2) Use your times tables knowledge to solve the calculations.
a) $\frac{1}{3}$ of $12=\square$
b) $\frac{1}{4}$ of $£ 20=\square$
c) $\frac{1}{5}$ of $35 \mathrm{~m}=\square$
d) $\frac{1}{10}$ of $80 \mathrm{~cm}=\square$
e) $\frac{1}{12}$ of $60=\square$
f) $\frac{1}{7}$ of $84 \mathrm{~kg}=\square$

## Now use your answers to solve these calculations.

a) $\frac{2}{3}$ of $12=$ $\square$
d) $\frac{7}{10}$ of $80 \mathrm{~cm}=$ $\square$
b) $\frac{3}{4}$ of $£ 20=$ $\square$
c) $\frac{3}{5}$ of $35 \mathrm{~m}=$ $\square$
e) $\frac{11}{12}$ of $60=$ $\square$
f) $\frac{6}{7}$ of $84 \mathrm{~kg}=$ $\square$
a) In a school of 480 pupils, $\frac{2}{3}$ are juniors. How many juniors are in the school?
$\square$
b) A factory makes 256 cars.
$\frac{3}{8}$ are electric cars.
How many electric cars does the factory make?
$\square$
c) Brett uses $\frac{2}{5}$ of his $£ 180$ savings to buy a train ticket. How much of his savings does he have left?
$\square$

Alex has 288 m of fence to paint.
She paints $\frac{3}{12}$ of the whole fence on Monday. She then paints $\frac{1}{2}$ of what is left on Tuesday.

How much fence does she have left to paint?Find the values of $a$ and $b$.
$\square$
$\square$
6
Fill in the missing numbers.
a) $\frac{\square}{10}$ of $\$ 500=\$ 150$
c) $42=\frac{\square}{100}$ of 700
b) $\frac{\square}{4}$ of $100 \mathrm{~kg}=75 \mathrm{~kg}$
d) $450=\frac{\square}{20}$ of 3,000


## NATURE CHALLENGE

It's a bit early for the 'Big Butterfly Count' however, there are still plenty of butterflies beginning to spread their wings.


In your garden, or as part of your daily excercise see if you can spot (and photograph) any butterflies (that wont be easy let me tell you). Use the PDF below to identify it.

Ive also attached a link to another website that shows at what time of year each butterfly can be found just so that you can be definitely sure you record the correct one.
https://www.ukbutterflies.co.uk/flighttimes_by_date.php

If you're really confident with what youve seen be sure to let the Manx Wildlife Trust know so that the can log your sighting.




Silver Y Moth


Speckled Wood

Peacock

Don't forget to join us online with \#ButterflyCount
f 0


Comma


Common Blue


Holly Blue

