

Science

Find out all you can about shadows. How are they formed? What causes a shadow? Did you find out anything last week that will help you? Find out about transparent, translucent and opaque.

PE

Continue with the Birmingham School Games Challenge.

Art/DT

Follow your design from last week to create your own shadow puppet theatre. Which material is best for your puppets? Which creates the best shadow? Remember you'll need a piece of tissue paper or a similar material to go at the front so that you can cast a shadow onto it.

PDW

Continue your lockdown diary. Create a poster all about your memories of Year 3! Here's some ideas...Herefordshire Beacon, The Stone Age, Class Assemblies, moving to KS2- the list is endless!

English

Using the video 'The Lighthouse' write the story from where the lamp smashes and the ship is approaching. I've given you some examples of sentences you could use in the resources.

Maths

Have a go at the doubling, halving and multiplication worksheets.

Computing

Make a mind map or a PowerPoint all about shadows or your puppet theatre.

How can I
change my
shadow?

English

Follow the link below to access our text this week- The Lighthouse (it's the same text as last week).

<https://www.literacyshed.com/the-lighthouse.html>

Once you have watched the text, have a go at writing the story from where the lamp smashes and the ship approaches. Remember to make your writing as exciting as possible.



Some of the things you might want to include....

A verb to start a sentence..

E.g. Racing down the steps, the lighthouse keeper could only think of one thing: the ship.

An adverb to start a sentence.

E.g. Swiftly, the lighthouse keeper darted down the steps.

Try adding some short, snappy sentences to add excitement.

E.g. He froze.

Tell the reader when something happened.

E.g. Moments later, he heard the loud honk of a ship's horn.

Use adjectives to add interest.

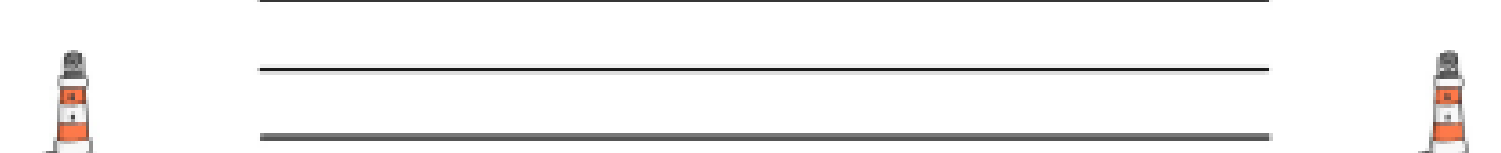
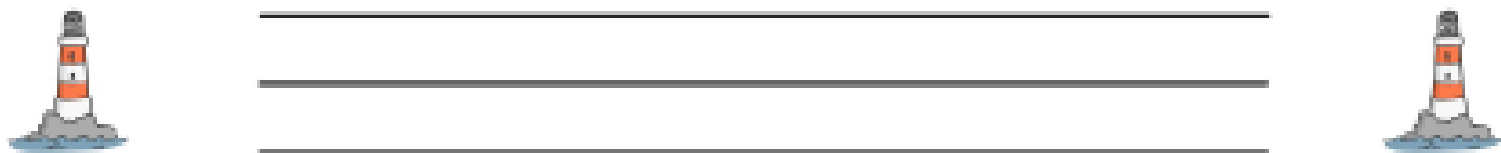
E.g. The dark, turbulent sea chewed at the jagged rocks beneath him, and a pale moon barely lit the sky.

Use a simile to compare something in the story to something else using as or like.

E.g. He stared at the approaching boat like a wild animal caught in the headlights.

Use repetition to keep the reader's interest.

E.g. The black sky hid the lighthouse. The black sea tossed the boat. The black rocks lay in wait.



Maths

Double these numbers using the partitioning method.

1. 14

2. 39

3. 22

4. 52

5. 36

6. 73

7. 27

8. 61

9. 44

Now try these

1. 75

2. 89

3. 97

Halve these numbers using the partitioning method.

1. 24

2. 62

3. 28

4. 44

5. 55

6. 65

7. 53

8. 77

9. 36

Now try these

1. 71

2. 99

3. 124

Grid method for multiplication

Multiply these numbers using the grid method:

1. 7×12

x	10	2
7		

2. 5×13

x	10	3
5		

3. 4×15

x	10	5
4		

4. 3×14

x	10	4
3		

Now draw grids and try these:

5. 6×12

6. 7×14

7. 8×13

8. 6×14

Challenge

9. 5×23

10. 4×21

Multiply these numbers using the grid method:

1. 6×18

2. 7×22

3. 5×38

4. 4×35

5. 3×28

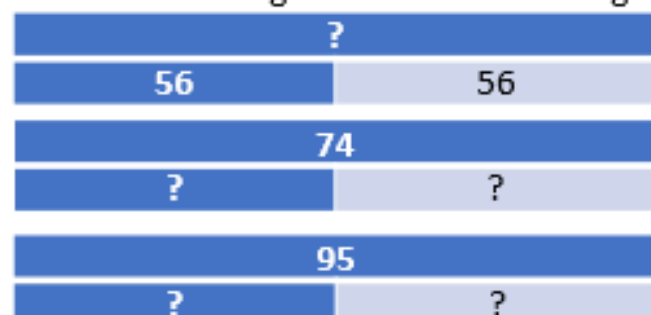
6. 7×36

7. 8×23

8. 6×34

Problem solving and reasoning questions

Write the missing numbers in each diagram.



How many odd numbers between 50 and 100, when halved, give an answer ending $4\frac{1}{2}$?

Write the missing numbers in this grid:

x	30	6
4		

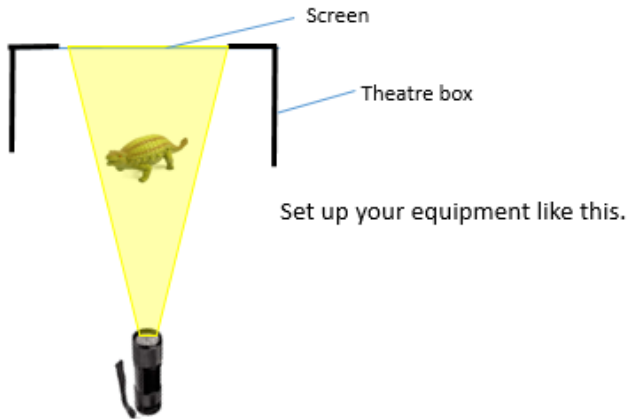
Now complete the addition to find the total of the partial products.

$$\square + \square = \square$$

Science

With your adults or using the internet research all you can about shadows! Perhaps you could investigate how shadows are formed and what causes a shadow. Can you also find out about transparent, translucent and opaque, if you're not sure what these mean?

There is a short experiment you could do, all you need is your shadow puppet theatre, a torch and a small play figure.



Now investigate these questions:

1. How can you make the smallest shadow?
2. How can you make the largest shadow?
3. How can you make the clearest shadow?

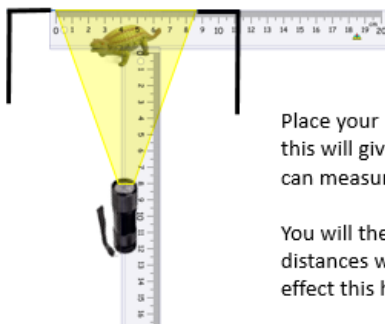
Now, become a shadow puppeteer using your shadow puppet. You can make a character seem to get bigger, closer and scarier just by moving the light source closer. You could also make your puppets appear to get smaller as if they are walking (or flying) off by moving the light source further away!

But as puppeteers we need to find out a bit more

- How much difference does moving the light source actually make, for example, if you move the light source 5cm further away, how much will the shadow shrink?
- Can you make a shadow that is smaller than the object?
- How much larger than the object can the shadow actually get?

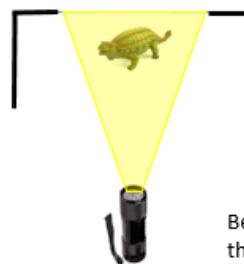


How can you measure it?



Place your object close to the screen as this will give a nice clear shadow that you can measure easily.

You will then be able to measure different distances with your torch and measure the effect this has on the size of the shadow.



You will need to keep your object in exactly the same place.

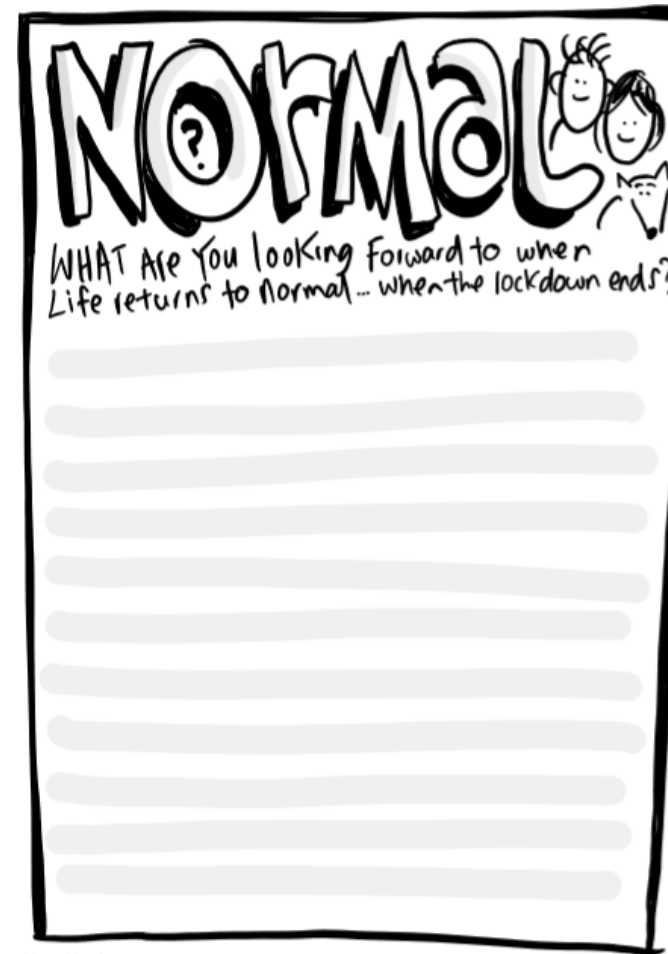
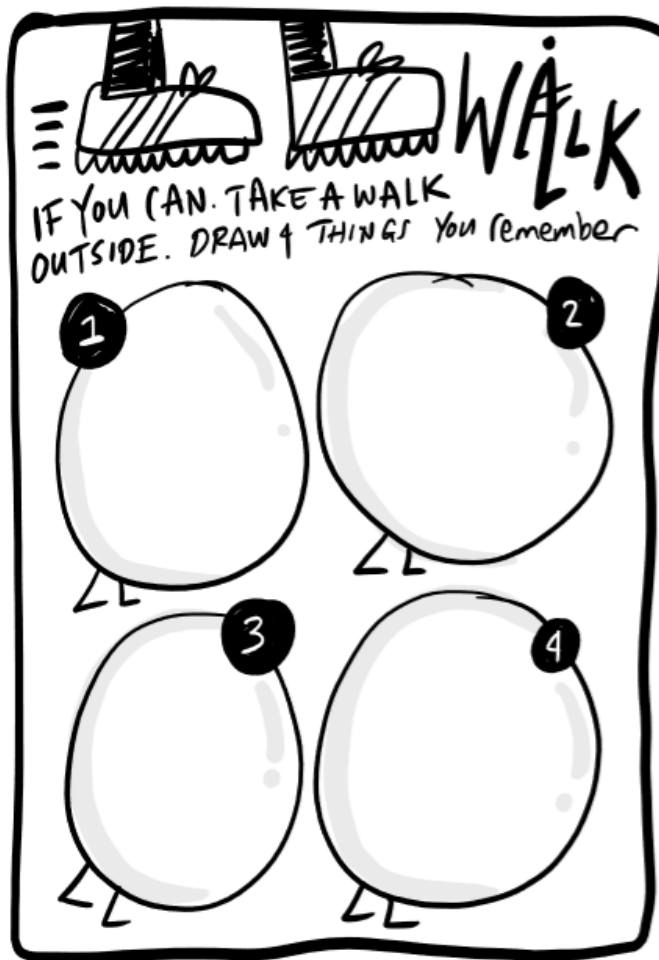
Why?

Because you need to know exactly how far away the light source is.

My Lockdown Diary

Keeping ourselves mentally healthy during Coronavirus is very important. Last week we shared a lovely story called 'Everybody Worries' by Jon Burgerman which helped us to talk about how we were feeling. This week, it would be fantastic if you could begin your own 'Lockdown Diary' to highlight the positive and negative feelings that you might have during this time. We'll also be working on this next week too. Don't forget to talk to a grown-up or a friend if you need some support.

Here are a selection of pages but this available to download online at <https://www.cnwl.nhs.uk/news/download-my-lockdown-diary-children>



KIND

Write a Kind message to someone in your Bubble!

A Week's Worth

HIGHLIGHTS OF THE
WEEK JUST GONE

DAY	DAY	DAY
DAY	DAY	DAY
DAY.		

Feelings

What are your feelings today. Chat about them with those in your bubble

