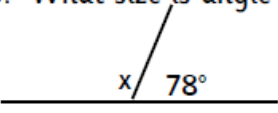


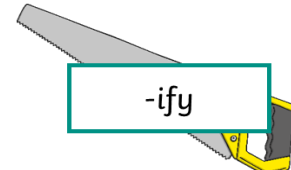
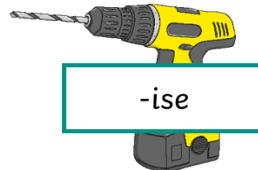
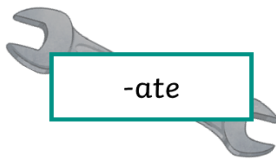


### Maths

- Write 22 minutes to 7 in the morning in the 24 hour clock.
- What is the difference between 31 and 97?
- Find the mean of 14, 12 and 16.
- What is the product of 6 and 4?
- Multiply 23 by 100.
- What is  $4^2$ ?
- What is the total of 5.1 and 3.8?
- Write  $\frac{62}{100}$  as a decimal.
- I think of a number, I multiply it by 8 and then subtract 12. My answer is 60. What number did I think of?
- What number is halfway between 9 and 10?
- Round 7.9 to the nearest whole number.
- How many vertices are there on a tetrahedron?
- What size is angle x?  


### English

Can you convert these **nouns** or **adjectives** into **verbs** using the **suffixes** -ate, -ise or -ify?



- |       |        |         |         |
|-------|--------|---------|---------|
| final | hyphen | elastic | pollen  |
| glory | advert | solid   | intense |
|       |        |         | equal   |

For some of the root words you need to alter the spelling before adding the suffix - which ones?

Now write sentences using the verbs you have made.

### Geography

#### The Water Cycle

Create an informative Water Cycle poster including all of the relevant key words with explanation:

*evaporation, condensation, precipitation and water vapour.*



OR

Create a model water cycle (see next page).





## Build a model water cycle



You will need the following:

- A clear plastic/glass jar (to observe and record what happens)
- Cling film or sheets of clear plastic
- Rubber band
- Soil
- Birdseed
- Measuring cup
- Water

1. Ensure that the plastic/glass jar is clean and dry.
2. Add a layer of soil to the bottom of the jar. The layer should be about 2 cm deep.
3. Sprinkle about half a teaspoon of birdseed over the soil.
4. Cover the bird seed with another layer of soil that is also about 2 cm deep.
5. Measure 60 ml of water using the measuring cup. Slowly pour this over the soil. Make sure the water is poured evenly over the soil's surface.
6. Cover the top of the jar with cling film or plastic and secure it with a rubber band.
7. Place the jar on a window sill or other place where it can remain in direct sunlight.

Over the next few days, examine your jar and record what you can see.

Then answer the following questions:

1. How did the appearance of the jar and plastic cover change?
2. Did droplets appear on the inside or outside of the jar?
3. Where do you think the droplets came from?
4. What happened to the birdseed?
5. What role did sunlight play in the change from liquid water to water vapour?

Use your observations to draw your jar and explain the processes using the correct key words from the water cycle.

**Challenge** – Can you write a creative short story of a water droplet, explaining the journey it completes?

