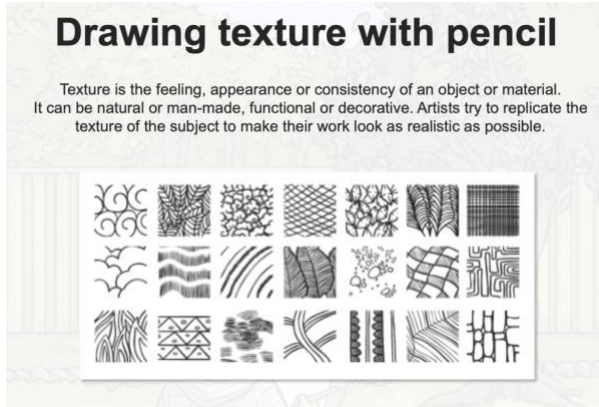


Thursday the 16th Secondary Homework Mrs Sutton

Art

Look at the attached poster and worksheet below. Can you experiment with a pencil to create texture? **Please use pencil for this task, not a pen.**



Maths Standard

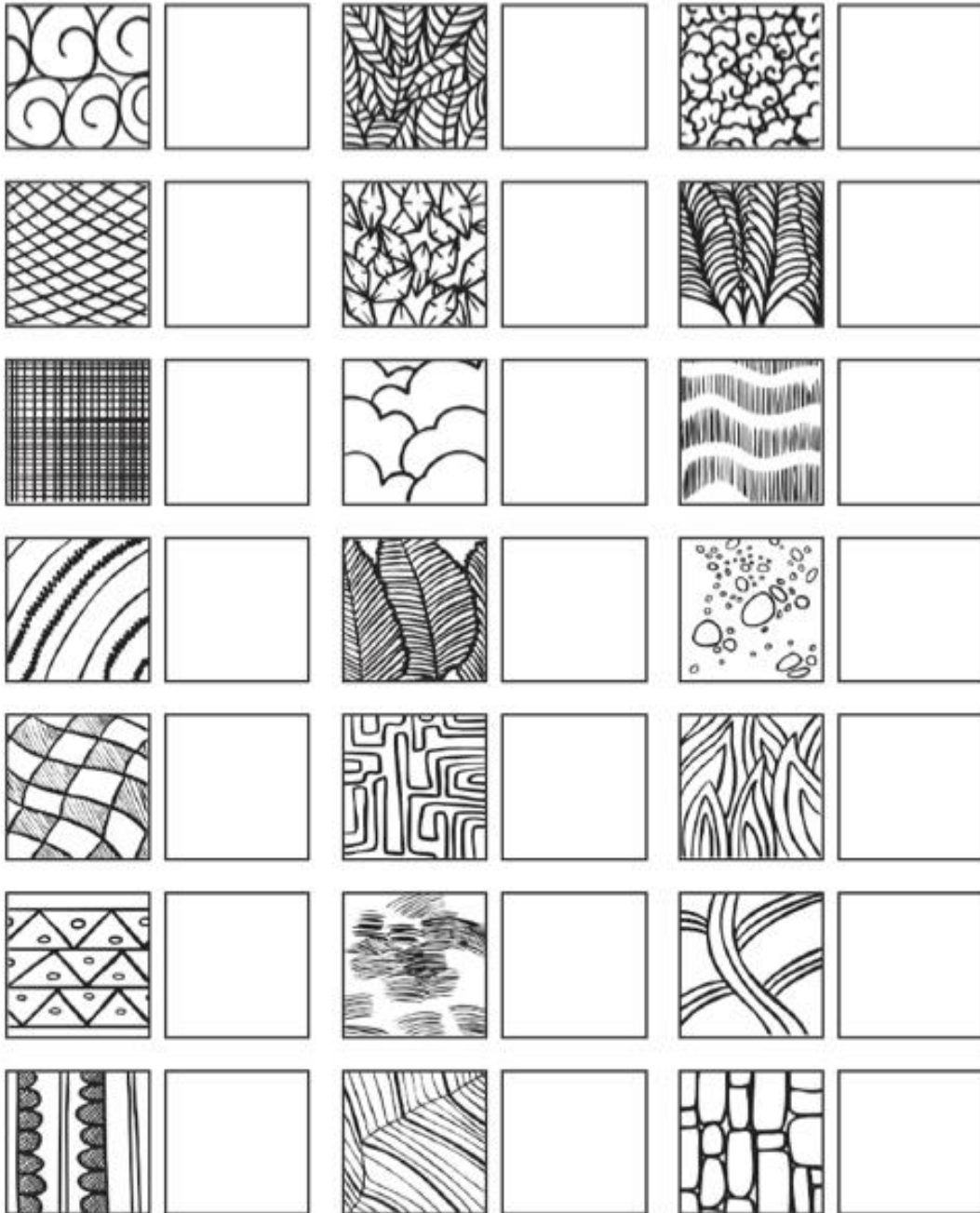
Can you use the number facts to 10 to help you solve questions to 100? **See attached task.** Try to do this mentally if you can.

Maths Challenge

Use your knowledge of number fact to 10 to work out the number fact to 100. **See attached sheet**

Drawing Texture

1. Practise drawing a texture with a pencil by copying these textured squares.



Maths Standard Task

Deriving Facts to 100

For each of the following, complete the number fact to 10 and then derive the number fact to 100. The first one has been done for you.

$7 + 2 = 9$

$7 - 4 =$

$70 + 20 = 90$

$70 - 40 =$

$4 + 6 =$

$3 + 6 =$

$40 + 60 =$

$30 + 60 =$

$5 - 3 =$

$8 - 3 =$

$50 - 30 =$

$80 - 30 =$

$10 - 7 =$

$9 + 1 =$

$100 - 70 =$

$90 + 10 =$

$5 + 4 =$

$3 - 2 =$

$50 + 40 =$

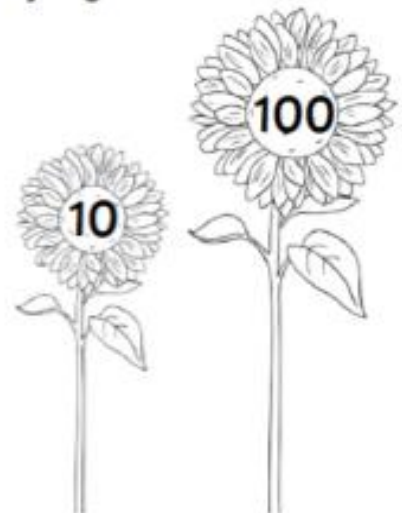
$30 - 20 =$

$9 - 8 =$

$10 - 5 =$

$90 - 80 =$

$100 - 50 =$



Maths Challenge Task

Use the appropriate number fact to ten mentally to derive the number fact to 100.

$50 + 50 =$

$40 + 30 =$

$60 - 40 =$

$80 - 30 =$

$10 + 80 =$

$20 + 60 =$

$90 - 60 =$

$50 - 40 =$

$20 + 80 =$

$80 - 70 =$

$40 + 40 =$

$70 - 20 =$

English Task

Can you continue the story? Does the girl step through the circle? Don't forget to show off your English skills. **Remember to use Capital letters and full stops.**

Story starter!

She had been tracking the deer. Her parents had taught her how.

One hour before, finding the hoof prints in the soft earth, she had followed the trail of broken twigs and occasional nibbled leaf until she had located it. Creeping slowly and quietly, not making even the slightest sound, she remained undetected.

She had stumbled across the mysterious circles in a clearing in the forest, and watched as the deer approached them. With a slight twitch of its ears, the deer stepped indifferently through the first circle, and vanished. Completely vanished.

The girl let out a gasp, and walked towards the circles to investigate...

Can you continue the story? Does the girl step through the circle?



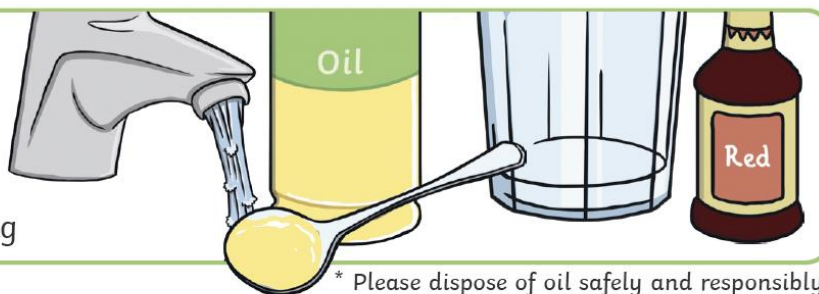
Science experiment

If you have the resources at home, can you try this science experiment?

Fireworks in a Glass

You Will Need

- Warm Water
- Oil*
- A Tall Glass
- Food Colouring



* Please dispose of oil safely and responsibly.

This is a very cool, simple and fun experiment, and also completely safe, just don't drink the water!

Method

- 1 Fill the tall glass with warm water.
- 2 Pour a small amount of oil into another container and add a few drops of food colouring.
- 3 Give it a good stir, if it doesn't mix, add a bit of water.
- 4 Pour the food colouring and oil mixture into the warm water and watch the fireworks!

The Science Bit

Oil and water don't mix. Also oil is less dense than water (meaning there is less of it in the same volume) and therefore floats on top of water in a nice layer. The food colouring we used was water based and therefore does not mix with the oil, instead it sinks through the oil into the water below. Since the addition of the colouring makes the food colouring heavier than the water, it sinks to the bottom leaving trails (resembling fireworks) as some of the colour diffuses into the water.

Wellbeing

My top ten things to do -



What are your favourite things? Make a top ten list. This could include favourite places to go, things to do, films to watch, books to read etc.

My Top Ten Things to Do!

What are your ten favourite things? You could include hobbies, sports, books, music, TV shows, foods or any other favourite activities!

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

