

Exercise 9A



1 Use your ruler to join the dots with straight lines.

a _____

b _____

c _____

Draw a straight line by moving your pencil point along the edge of a ruler.



2 Join the dots using a curved line. Do not use your ruler.

a _____

b _____

c _____

We cannot use a ruler to draw curved lines.



3 Cross the odd one out.

a

b

c

4 Draw and make an 'odd one out' question of your own.

5 Which mehendi design has

- a only straight lines? A
- b only curved lines? B
- c both straight and curved lines? C



A



B



C

Project



Take a sheet of white paper. Use a white candle to draw designs on it using straight and curved lines. Then paint over it with water colours to see your design magically appear. Use it as a card or gift wrapping paper.

Exercise 9B

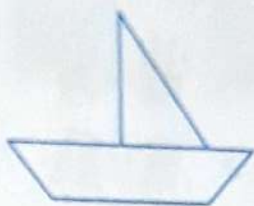


1 How many of each do you see?

Sleeping lines 2

Standing lines 1

Slanting lines 3



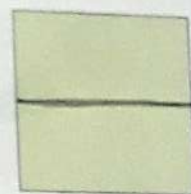
2



Draw one slanting line on the square.
Make 2 \triangle s.



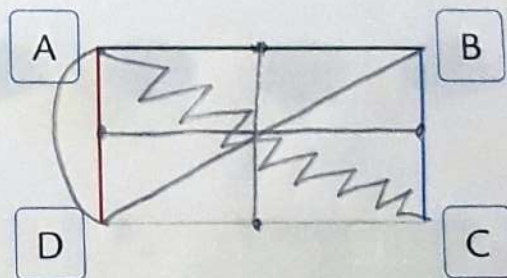
Draw two slanting lines on the square.
Make 4 \triangle s.



Draw one sleeping line on the square.
Make 2 \square s.

3 Look at this rectangle. Each corner has a name - A, B, C, D. Then follow the instructions.

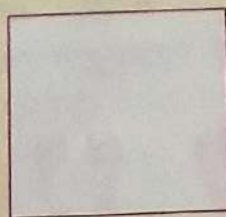
- Draw a curved line from corner A to corner D.
- Use a ruler and draw a slanting line from corner B to corner D.
- Use a ruler and draw a sleeping line from the middle of the red line to the middle of the blue line.
- Draw a zigzag from corner A to corner C.
- Use a ruler and draw a standing line from the middle of the green line to the middle of the grey line.



Challenge!



Draw sleeping and standing lines on this square to make 6 rectangles.



Draw a standing and a sleeping line on this square to make 4 squares.



Exercise 9C



Complete these patterns. Do the next two.

a

b B B B B B

c

d R R R R R

e

f

g

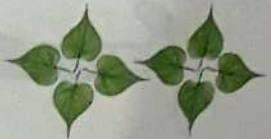
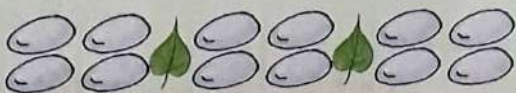
h

i

j

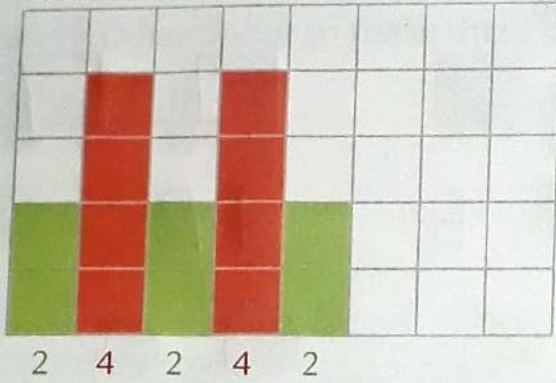
Project

Students may be taken on a nature walk where they collect pebbles and fallen leaves. These can then be arranged in different patterns for other students to guess what comes next' and continue the pattern.



2 Colour to see the number patterns. The first one is begun for you.

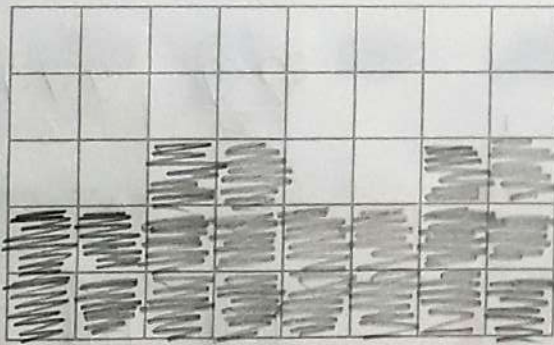
a 2, 4, 2, 4, 2, 4, 2, 4



b 3, 5, 3, 5, 3, 5, 3, 5



c 2, 2, 3, 3, 2, 2, 3, 3



d 1, 3, 3, 1, 3, 3, 1

