

SEQUENCE PATTERNS


Turn a Given Sequence into a Horizontal Pattern

Below are two activities where learners are given a vertical sequence and asked to display the pattern on a horizontal line.

VERTICAL TO HORIZONTAL

1. Create one or more towers (vertical stacks of objects), which should be arranged in a pattern. For example, a stack of 2 red blocks and another stack of 3 green blocks.
 2. On the chalkboard, draw in a horizontal line a series of circles that correspond to the total number of objects used in the towers. For the example above, you would create 5 circles.
 3. Show learners the towers. Ask them to help you recreate the pattern found in the tower but on the circles instead. In our example, the pattern would be 2 red circles and 3 green circles (● ● ● ● ●).
- Note: if you don't have different coloured chalk, write the name of the colour, or use different symbols for each colour.*
4. Now ask learners how they would extend the pattern (continue on). Ask them to figure out how many circles are needed to repeat the pattern once. Then draw the pattern on the board (● ● ● ● ● ● ● ● ● ● ●). If there is space, extend the pattern some more.
 5. Repeat the process with a new sequence.
 6. Hand out the worksheet labeled "Vertical to Horizontal" (see next page) to provide learners with the opportunity of additional practice.

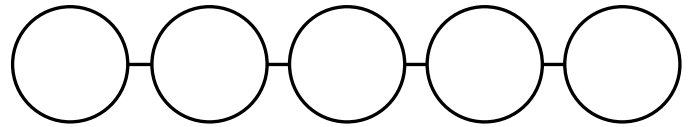
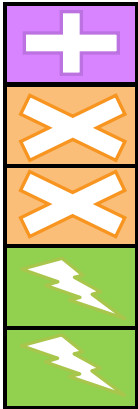
NUMBER SEQUENCES

1. On the chalkboard, draw 12 circles in a horizontal line.
 2. Write the numbers “1, 3, 2” above the circles.
 3. Ask learners to help you use the numbers to colour a corresponding pattern in the circles. For example, the “1, 3, 2” sequence could look like:

 4. Repeat the process a few times.
 5. Handout the worksheet labeled “Sequence Patterns” (see last page) to provide learners with the opportunity of additional practice.
- Note: if you don't have a colour printer, you might want to project the worksheet on the board so that learners can clearly see the first example.*

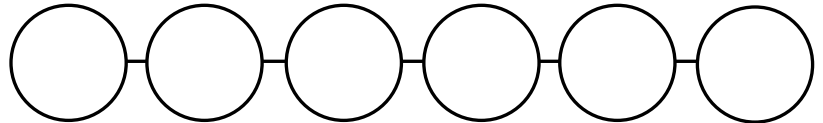
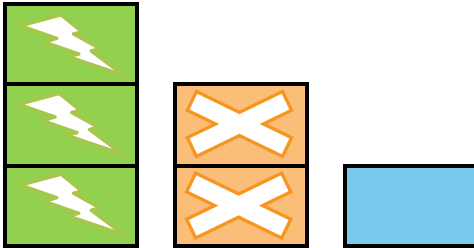
VERTICAL TO HORIZONTAL

Look at the patterns you see in the towers. Create this pattern in the blank circles next to them. Finish one tower before moving to the next.

1)

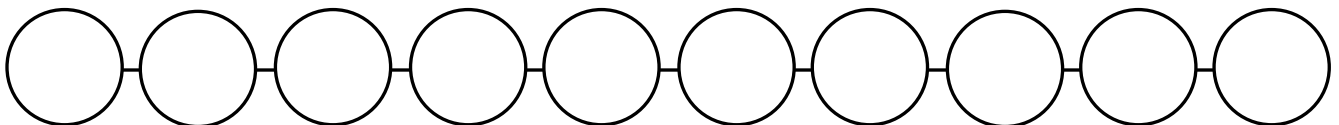
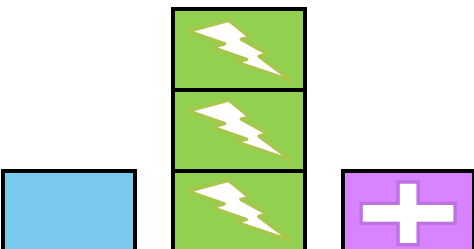


2)



Copy and then extend the pattern.

3)



SEQUENCE PATTERNS

Colour the pattern so that it matches the numbers given. Continue the pattern until all paw prints are coloured in.

1, 2, 2



1, 3, 1



2, 1, 1



1, 1, 2



1, 1, 1, 1

