

Shake and Spill

Materials

Shake and Spill Recording Sheets
2-sided coloured counters
paper cups

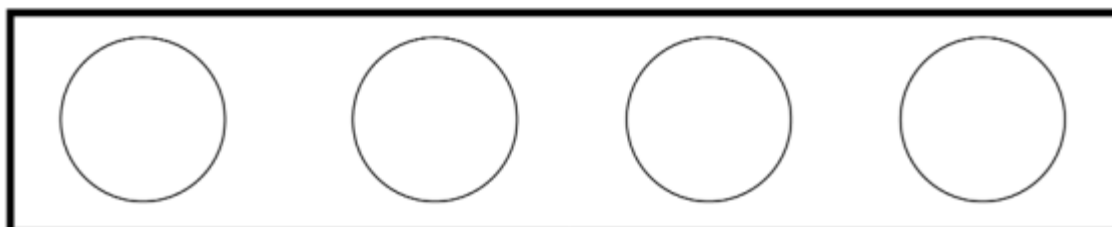
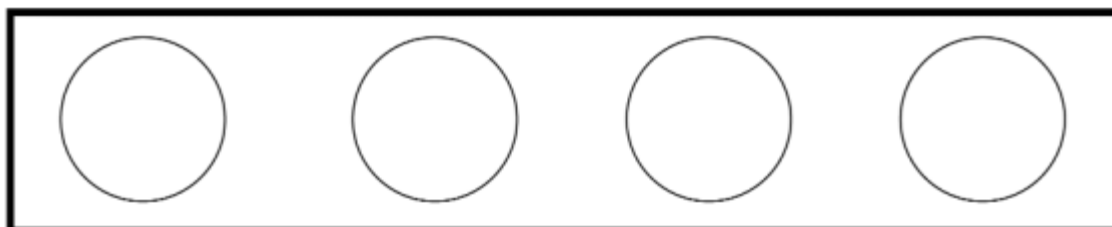
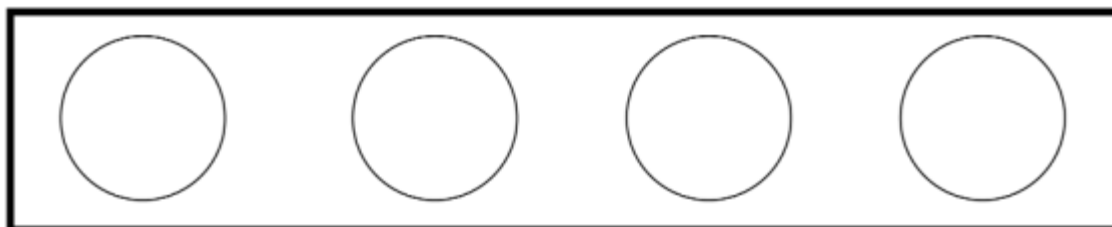
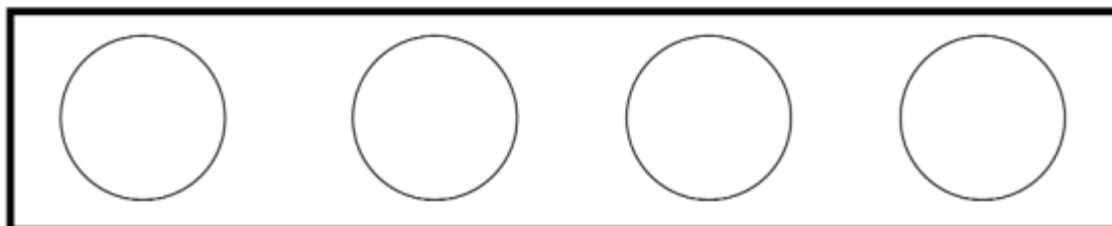
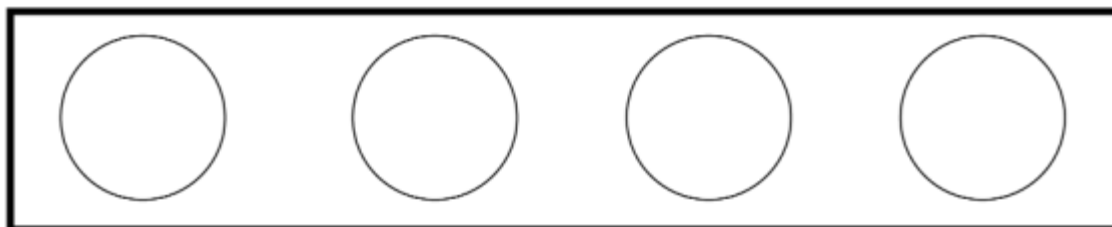
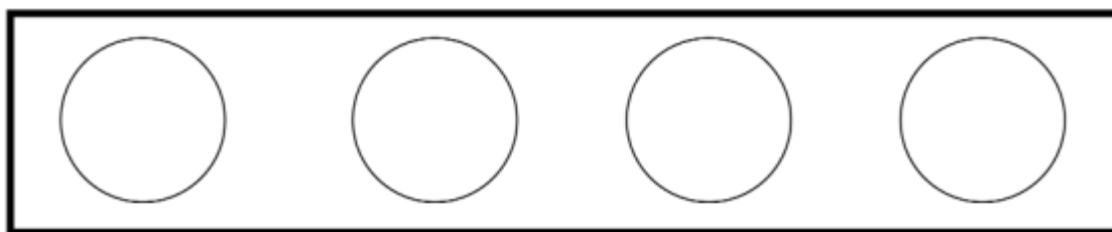
Activity

1. Give students a recording sheet for the number they are working with that day. Have students start with small numbers (4 or 5), and over time have them use numbers from 4 to 10.
2. Students place their assigned number of counters in a cup. They then shake the cup and spill out the counters.
3. Students record the combination of colours they get by colouring the circles on their recording sheets.
4. Have students repeat spilling the counters and colouring the circles until they have filled their sheets.

Talk to students about all the ways they found to make their number. Ask them whether they think they found all the different ways. Have them explain their answer.

Shake and Spill Recording Sheet

Assigned number is 4



Shake and Spill Recording Sheet

Assigned number is 5

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Shake and Spill Recording Sheet

Assigned number is 6

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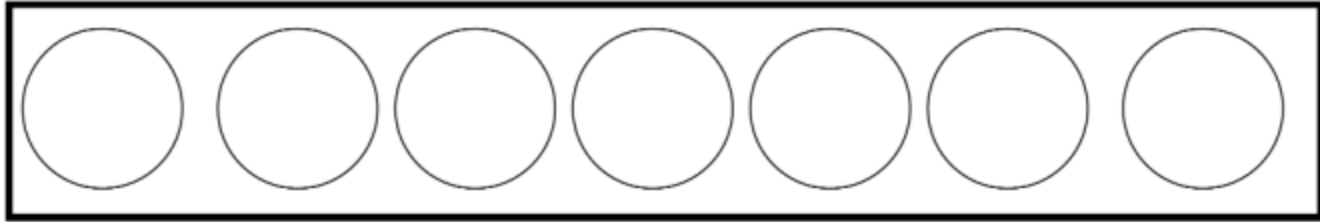
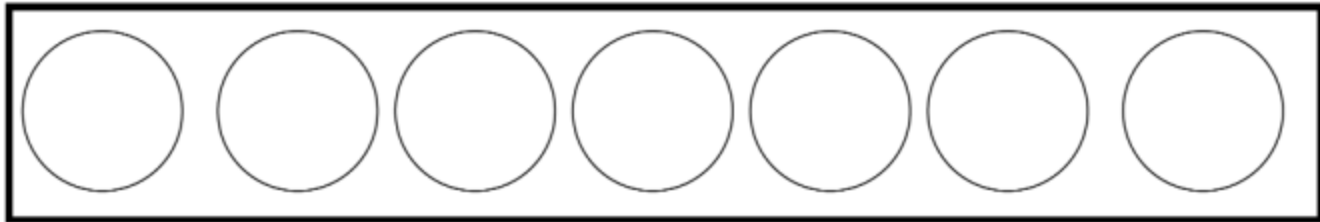
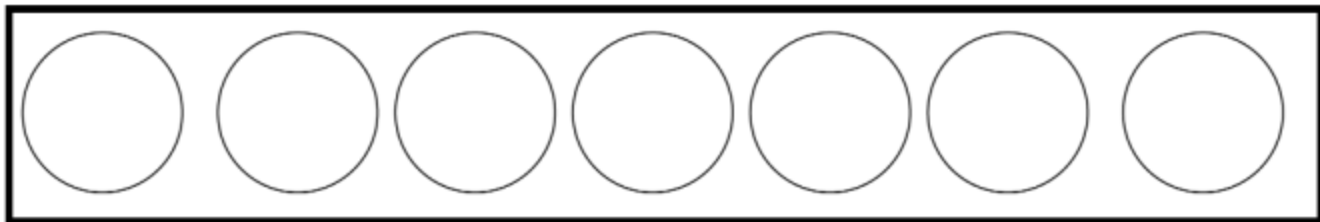
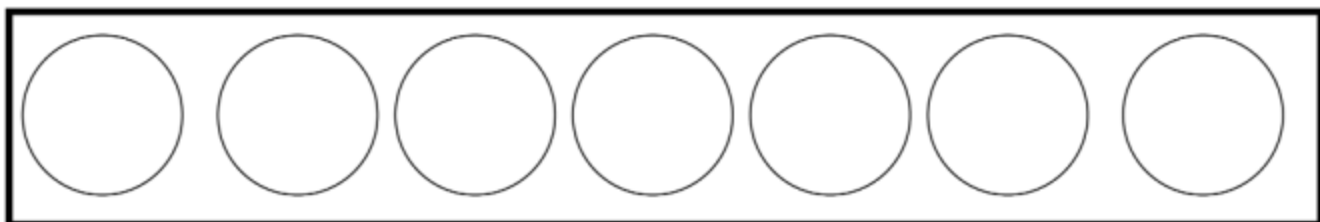
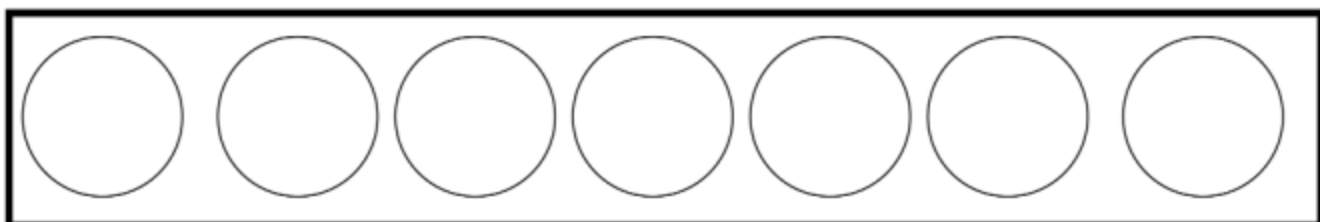
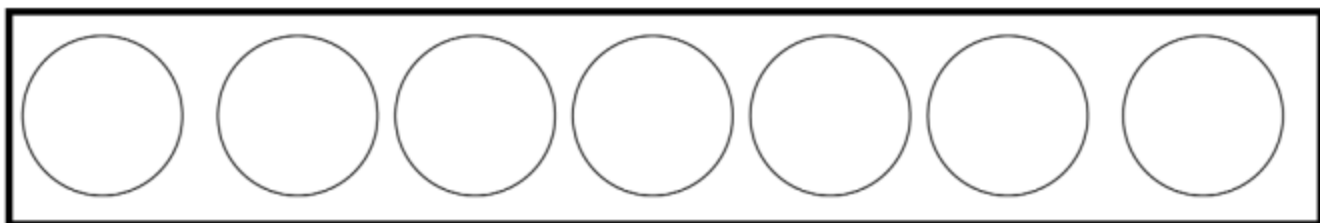
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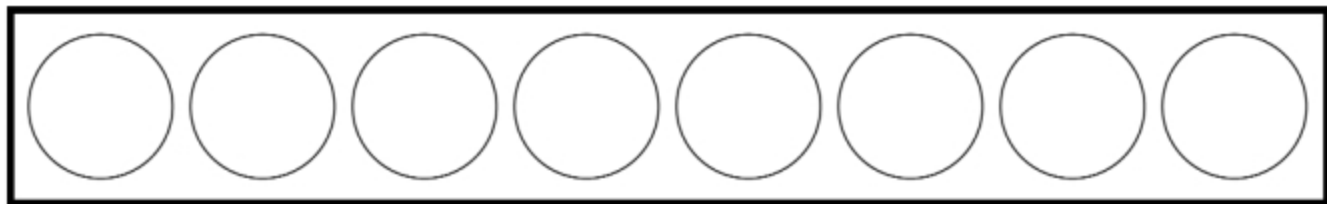
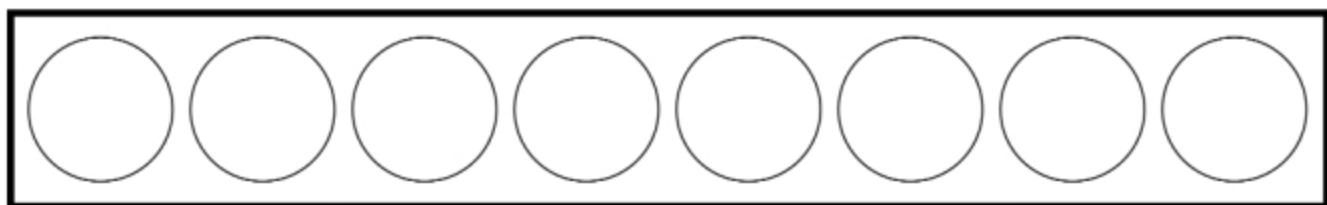
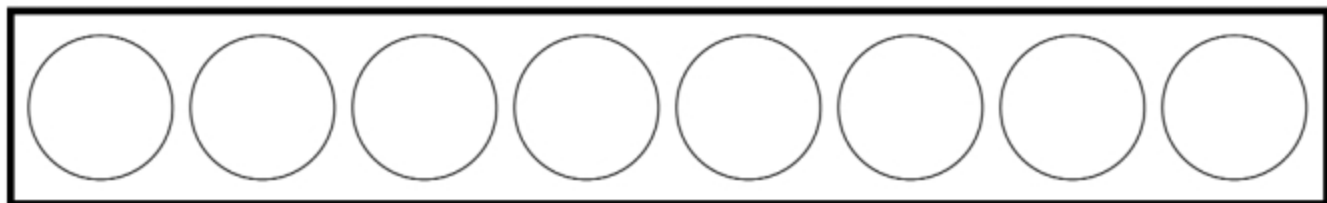
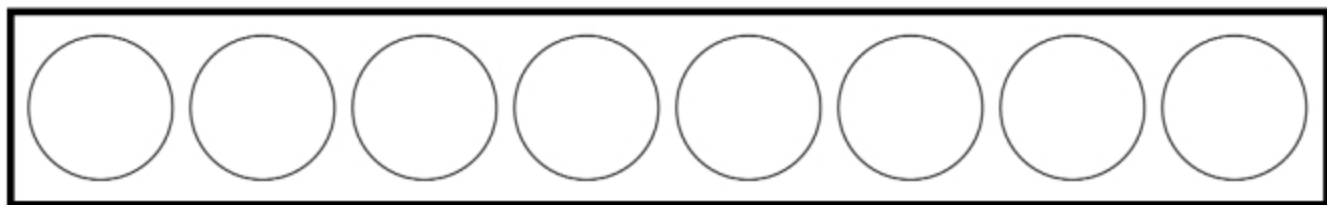
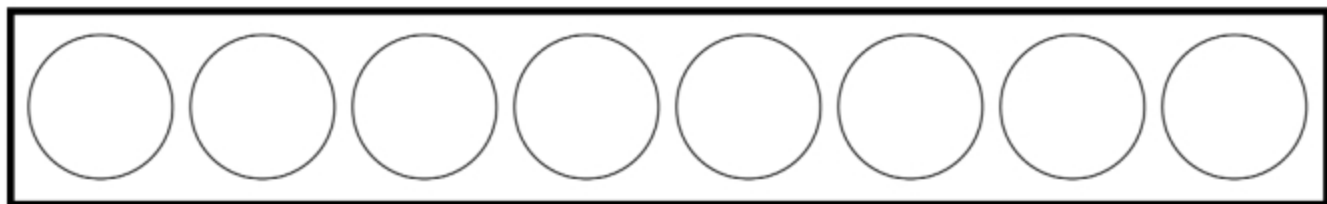
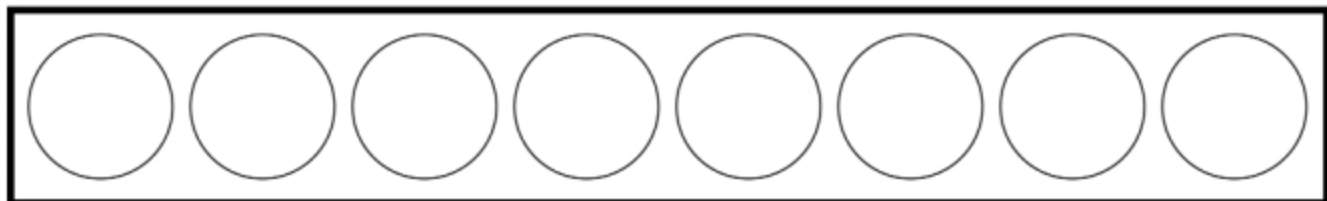
Shake and Spill Recording Sheet

Assigned number is 7



Shake and Spill Recording Sheet

Assigned number is 8



Shake and Spill Recording Sheet

Assigned number is 10

