Pattern Detectives

Look, extend and explain.

1.PFA.1.b · Analyze a repeating or increasing pattern and generalize the change to extend the pattern using objects, colors, movements, pictures, or geometric figures.

Name _____ Date _____

Find the repeating core

Look at the pattern. Circle the smallest part that repeats. Say or describe it.



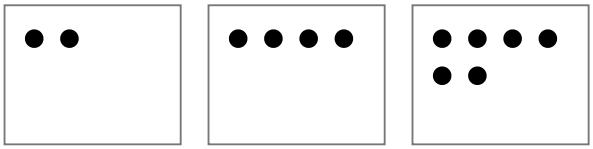
Extend the pattern

Draw two more complete repeats of the core after this pattern.



Show the change

Look at each group. Draw the next group and explain what changes.



Teaching and assessment

Read directions aloud as needed. Let children inspect the printed stimuli before responding. Accept pointing, drawing or oral explanation. Do not supply the core or rule. Assess the pattern, not artistic neatness.

1

Core: circle, triangle.

2

Add square-square-triangle twice, six shapes total.

3

Next group: 8 dots; two dots are added each time.