

Pixel-Art Dictation

Classroom-ready printable pack · Grades K–8

Pack contents

Blank grids in three sizes, patterned pixels, samples, and coordinate key. Two student sets are included.

Teacher directions

1. Choose identical grid sizes.
2. The Describer chooses or creates a hidden pixel design.
3. Name each coordinate and pattern for the Builder.
4. Compare row by row and locate the first mismatch.

Before class

- Print at 100% on US Letter paper. Use cardstock or laminate for reuse.
- Cut on the thick solid borders. Keep Set A and Set B separate.
- Give challenge/model cards only to the Describer.
- Use a folder, book, or tabletop barrier so partners cannot see each other's work.

Accessibility and accommodations

Start with 5×5 and one pattern. Say column then row. Patterns remain distinct in grayscale.

Storage-envelope labels

Pixel-Art Dictation

Set A — Describer

Count pieces before storing.

Pixel-Art Dictation

Set B — Builder

Count pieces before storing.

Pixel-Art Dictation

Challenge / model cards

Count pieces before storing.

Pixel-Art Dictation

Teacher reference

Count pieces before storing.

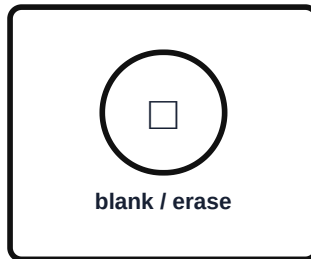
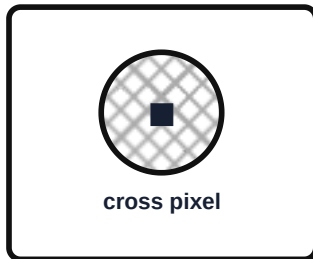
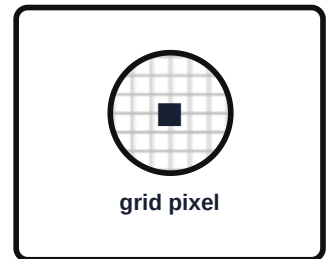
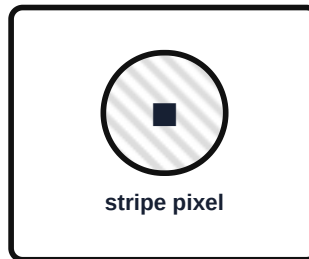
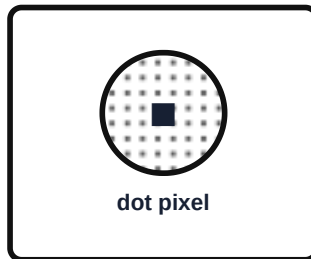
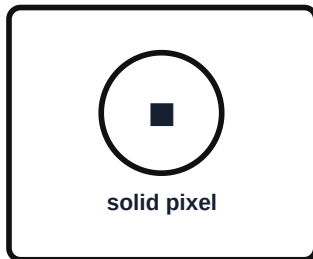
Student language supports

Position: above · below · beside · between · near · far · left · right · clockwise**Clarify:** “Please repeat...” · “Is ___ beside ___?” · “What should I place next?”**Compare:** same · different · rotate · move · replace · sequence

Movable pieces

Set A

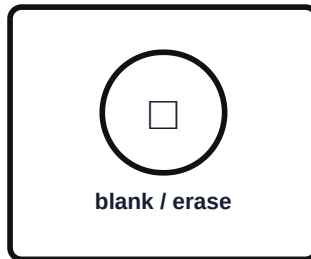
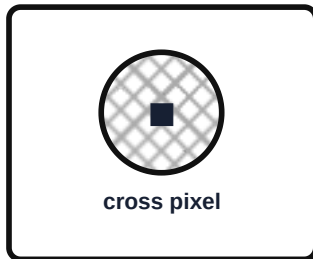
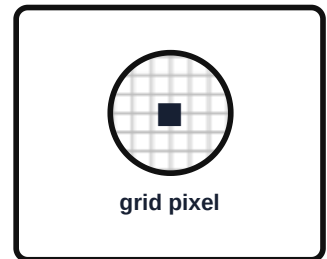
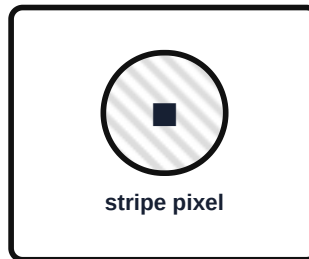
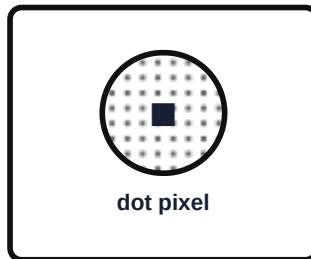
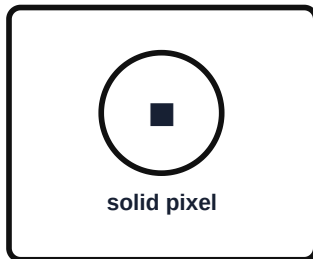
Cut on the solid borders. This set is identical to the partner set.



Movable pieces

Set B

Cut on the solid borders. This set is identical to the partner set.



5 × 5 pixel grid

Cut the page in half. Both partner mats are identical.

Set A — 5 × 5 pixel grid

columns 1–5 • rows A–E

top / far

center

bottom / near

Set B — 5 × 5 pixel grid

columns 1–5 • rows A–E

top / far

center

bottom / near

8 × 8 pixel grid

Cut the page in half. Both partner mats are identical.

Set A — 8 × 8 pixel grid

columns 1–8 • rows A–H

top / far

center

bottom / near

Set B — 8 × 8 pixel grid

columns 1–8 • rows A–H

top / far

center

bottom / near

10 × 10 pixel grid

Cut the page in half. Both partner mats are identical.

Set A — 10 × 10 pixel grid

columns 1–10 • rows A–J

top / far

center

bottom / near

Set B — 10 × 10 pixel grid

columns 1–10 • rows A–J

top / far

center

bottom / near

Describer-only challenge cards

Keep these cards hidden from the Builder.

Challenge 1: 5 × 5 X

Fill both diagonals.

Challenge 2: 5 × 5 frame

Fill the outside edge.

Challenge 3: Symmetry

Mirror a design across the vertical center.

Challenge 4: Original

Use 12 or fewer pixels and write its key.

Pixel-Art Dictation reference

Coordinate and sample key

Columns run left to right; rows run bottom to top. Say column first. For a 5×5 X, fill cells where column and row match or where their positions total 6.

Quality check after a round

- Can each student identify pieces by shape or label without relying on color?
- Do both models match in pieces, order, orientation, and relative position?
- Which direction was most precise? Which should be revised?