

CLASSIFYING 2D SHAPES

One skill, start to finish: the IEP goal, six probe forms, the graph. Untimed. Fillable PDF.

CLASSIFYING 2D SHAPES **Classifying 2D Shapes — Goal and Directions**

Goal, baseline, directions and benchmarks for one skill. Unlimited score is shapes named correctly out of 10.

Ten sentences per form, each describing one shape's attributes in words -- no picture -- with the two-word choice already shown in parentheses. The same ten shapes every form, so a missed item names the exact shape to retach.

Sample goal — Invented; edit every bracket to fit the student

By [annual review date], when given 10 sentences each describing a shape's attributes with its two-word choice shown in parentheses, [Student] will write the name of the shape that matches the attributes for 8 of 10 sentences on 3 consecutive weekly probes, as measured by teacher-scored shape classification probes.

BY (DATE) _____ CRITERION (SCORE OUT OF 10, OR PERCENT) _____

GIVEN (CONDITION: WHAT IS SHOWN, ANY ALLOWED SUPPORT) _____ ON ____ OF ____ CONSECUTIVE PROBES _____

AS MEASURED BY (THIS PROBE: CLASSIFYING 2D SHAPES BY ATTRIBUTES, FORMS A-F, PAGE 6-11)

STUDENT WILL (THE BEHAVIOR, IN THE WORDS OF THE PROBE) _____

Baseline: give Forms A, B and C on three days and take the middle score

BASLINE PROBE 1	BASLINE PROBE 2	BASLINE PROBE 3	MEDIAN (THE BASLINE)

Benchmarks toward the goal

BENCHMARK	TARGET DATE	TARGET SCORE	ACTUAL SCORE	NOTES

Giving and scoring the probe

☐ Give. Read what the shape looks like. Then write the name of the shape in the box.

CLASSIFYING 2D SHAPES **Classifying 2D Shapes — Form A**

My name: _____ Date: _____

Read what the shape looks like. Write the matching shape name in the box.

READ WHAT THE SHAPE LOOKS LIKE - WRITE THE ONE MATCHING SHAPE NAME IN THE BOX

- This shape has 4 right angles, but only the opposite sides match in length. Which shape is it? (rectangle / square)
- This shape has 4 equal sides and 4 right angles. Which shape is it? (rectangle / square)
- This shape has 10 straight sides and 10 corners. Which shape is it? (octagon / decagon)
- This shape has 5 straight sides and 5 corners. Which shape is it? (pentagon / hexagon)
- This shape has 3 straight sides and 3 corners. Which shape is it? (triangle / square)
- This shape has 4 sides, but only one pair of sides is parallel. Which shape is it? (trapezoid / rectangle)

This shape has 5 straight sides and 6 corners. Which shape is it?

CLASSIFYING 2D SHAPES **Classifying 2D Shapes — Data Log and Graph**

One row per probe. Three points in a row under the aim line is a decision, not a feeling: change the teaching and write what changed in the notes.

STUDENT _____ CRITERION / AIM _____ GOAL DATE _____

CORRECT OUT OF 10 - DRAW THE AIM LINE FROM THE BASELINE TO THE CRITERION FIRST, THEN PLOT EACH WEEK

WEEK	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Probe (week)

DATE	FORM	CORRECT	ERRORS	SCORE USED ON GRAPH	NOTES (CONDITIONS, WHAT WAS RETACHED)

CLASSIFYING 2D SHAPES **Classifying 2D Shapes — Caseload Summary**

Every student on this goal, on one grid. Twelve rows, eight probes, one decision column.

TEACHER / CASE MANAGER _____ SKILL (AS THE GOAL WORDS IT) _____ MARKING PERIOD _____

STUDENT	BASLINE	CRITERION	P1	P2	P3	P4	P5	P6	P7	P8	TREND	DECISION THIS MONTH

How to fill it

☐ One row per student who has a goal on this skill.

What it is for

Decision: When six students all on the same goal.

EXAMPLE **A Filled-In Data Log (Invented Student)**

Darius is Invented. Twelve weekly probes on classifying 2D shapes, the aim line, the change that three low points forced, and the criterion being met.

The goal, as written for Darius, fourth grade (invented)

By May 20, when given 10 sentences each describing a shape's attributes with its two-word choice shown in parentheses, Darius will write the name of the shape that matches the attributes for 8 of 10 sentences on 3 consecutive weekly probes, as measured by teacher-scored shape classification probes (forms A-F).

#	DATE	FORM	CORRECT	ERRORS	GRAPHED	NOTES
1	9/8	A	2	8	2	baseline
2	9/9	B	3	7	3	baseline
3	9/10	C	3	7	3	baseline (median of 2, 3, 3 = 3)
4	9/17	D	3	7	3	write the right shape name for octagon, trapezoid and kite, but missed hexagon, decagon, rectangle, rhombus, triangle, square and pentagon
5	9/24	E	2	8	2	same pattern
6	10/1	F	3	7	3	3 under aim line: sorted the missed shape names into a quick attribute card set and reviewed it for five minutes a day before returning to the probe
7	10/8	A	5	5	5	—
8	10/15	B	6	4	6	—
9	10/22	C	7	3	7	errors narrowing to one pattern
10	10/29	D	7	3	7	—
11	11/5	E	8	2	8	criterion met, 1 of 3
12	11/12	F	8	2	8	criterion met, 2 of 3

How to read the log

☐ Baseline was the median of three forms on three days: 2, 3, 3, so 3. Not the average, not the best.

PROGRESS MONITORING **How This Pack Works**

Goal, baseline, weekly probe, graph, decision. Six steps, one skill.

A progress monitoring goal needs a thing to count and a page to count it on. This file is both, for one skill: a goal written in the probe's own words, 6 equivalent forms of the probe that measures it, and a graph scaled to it. Nothing has to be built or found.

- Baseline.** Give Forms A, B and C on three different days. The middle score of the three is the baseline; write it on the goal page.
- Write the goal** from the six-part frame on the goal page. Start from the sample and change every bracket: the date, the condition, the criterion, the number of probes.
- Probe once a week** with the forms in rotation (A, B, C, D, E, F, A...). Never the same form two weeks running. Every form is ten items, untimed. Score it against the answer key (pages 16-17).
- Log and plot** the score the same day. Draw the aim line first, from the baseline on the left to the criterion at the goal date on the right; then plot each week's dot.
- Decide from the graph.** Three dots in a row under the aim line: change the teaching this week and write the change on the log. Three in a row over it: raise the target!
- Report from the log.** The log gives the progress report its numbers: baseline, the last two scores, and what the errors keep landing on.

The weekly routine, about five minutes

- ☐ Monday: pull the next form in the rotation (A, B, C, D, E, F, A...).
- ☐ Any day: give the probe one-to-one, untimed; ten items takes a few minutes.
- ☐ Same day: score it, log the row, plot the point, look at the last three points.
- ☐ Friday: if three points sit under the aim line, write the change you are making on the log.

Print and prep

- ☐ Print one copy per student per week: the student writes on the form and that same sheet is the one you score.
- ☐ The forms are student sheets with nothing on them but the problems. The answer key and the Correct ____ / 10 box for every form are on pages 16 and 17; score there, then log 6.
- ☐ Keep the goal page and the graph page for each student at the front of the data folder; type into them or write on them.

Goal, baseline, weekly probe, graph, decision. Six steps, one skill.

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- 1 **Baseline.** Give Forms A, B and C on three different days. The middle score of the three is the baseline; write it on the goal page.
- 2 **Write the goal** from the six-part frame on the goal page. Start from the sample and change every bracket: the date, the condition, the criterion, the number of probes.
- 3 **Probe once a week** with the forms in rotation (A, B, C, D, E, F, A...). Never the same form two weeks running. Every form is ten items, untimed. Score it against the answer key (pages 16–17).
- 4 **Log and plot** the score the same day. Draw the aim line first, from the baseline on the left to the criterion at the goal date on the right, then plot each week's dot.
- 5 **Decide from the graph.** Three dots in a row under the aim line: change the teaching this week and write the change on the log. Three in a row over it: raise the target.
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- ☐ Same day: score it, log the row, plot the point, look at the last three points.
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Print and prep

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- ☐ The forms are student sheets with nothing on them but the problems. The answer key and the Correct ____ / 10 box for every form are on pages 16 and 17; score there, then log it.
- ☐ Keep the goal page and the graph page for each student at the front of the data folder; type into them or write on them.
- ☐ The caseload page is one grid for every student on this goal: print it once a month.

What this probe is not

It is not a norm-referenced test and it carries no benchmark score. The sample goal uses invented criteria in brackets; your team sets the real ones from the baseline and the student's IEP. Every form is untimed and ten items long, so a score of 8 means the same thing on every form, and a student is never scored on speed.

Equivalent forms, and why it matters

Every form has ten items drawn the same way, from one shuffle of the same bank, and no item appears on two forms — 60 different items across the six forms. A score on one form means the same as a score on another, so the line on the graph is the student, not the paper. Rotate the forms and the page cannot be memorized.

Classifying 2D Shapes — Goal and Directions

Goal, baseline, directions and benchmarks for one skill. Untimed; score is shapes named correctly out of 10.

Ten sentences per form, each describing one shape's attributes in words -- no picture -- with the two-word choice already shown in parentheses. The same ten shapes every form, so a missed item names the exact shape to reteach.

Sample goal — invented; edit every bracket to fit the student

By [annual review date], when given 10 sentences each describing a shape's attributes with its two-word choice shown in parentheses, [Student] will write the name of the shape that matches the attributes for [8 of 10] sentences on [3] consecutive weekly probes, as measured by teacher-scored shape classification probes.

BY (DATE)

CRITERION (SCORE OUT OF 10, OR PERCENT)

GIVEN (CONDITION: WHAT IS SHOWN, ANY ALLOWED SUPPORT)

ON ____ OF ____ CONSECUTIVE PROBES

STUDENT WILL (THE BEHAVIOR, IN THE WORDS OF THE PROBE)

AS MEASURED BY (THIS PROBE: CLASSIFYING 2D SHAPES BY ATTRIBUTES, FORMS A–F, PAGE 6–11)

Baseline: give Forms A, B and C on three days and take the middle score

BASILINE PROBE 1	BASILINE PROBE 2	BASILINE PROBE 3	MEDIAN (THE BASELINE)

Benchmarks toward the goal

BENCHMARK	TARGET DATE	TARGET SCORE	ACTUAL SCORE	MET?

Giving and scoring the probe

- ☐ Say: “Read what the shape looks like, then write the one matching shape name in the box.”
- ☐ Correct: the one word in the parentheses that matches every attribute in the sentence, spelled exactly as shown there.
- ☐ The same ten shapes every form, so a missed item points at one shape to reteach.
- ☐ Untimed. Let the student finish all ten.

Scoring rules for this student (accepted answers, reversals, supports allowed)

.....

.....

What the errors say to reteach (carry over from the log)

.....

.....

My name: _____

Date: _____



Read what the shape looks like. Write the matching shape name in the box.

READ WHAT THE SHAPE LOOKS LIKE · WRITE THE ONE MATCHING SHAPE NAME IN THE BOX

1. This shape has 4 right angles, but only the opposite sides match in length. Which shape is it? (rectangle / square)

2. This shape has 4 equal sides and 4 right angles. Which shape is it? (rectangle / square)

3. This shape has 10 straight sides and 10 corners. Which shape is it? (octagon / decagon)

4. This shape has 5 straight sides and 5 corners. Which shape is it? (pentagon / hexagon)

5. This shape has 3 straight sides and 3 corners. Which shape is it? (triangle / square)

6. This shape has 4 sides, but only one pair of sides is parallel. Which shape is it? (trapezoid / rectangle)

7. This shape has 6 straight sides and 6 corners. Which shape is it? (pentagon / hexagon)

8. This shape has 4 equal sides, but none of its corners are right angles. Which shape is it? (square / rhombus)

9. This shape has 8 straight sides and 8 corners. Which shape is it? (octagon / hexagon)

10. This shape has 4 sides: 2 pairs of equal sides next to each other, but opposite sides do not match. Which shape is it? (rhombus / kite)

My name: _____

Date: _____



Read what the shape looks like. Write the matching shape name in the box.

READ WHAT THE SHAPE LOOKS LIKE · WRITE THE ONE MATCHING SHAPE NAME IN THE BOX

1. A honeycomb cell has 6 straight sides meeting at 6 corners. Which shape is it? (hexagon / pentagon)

2. A banner cut from felt has exactly 3 sides and 3 corners, no more. Which shape is it? (square / triangle)

3. A playground border is built with 10 straight sides meeting at 10 corners. Which shape is it? (decagon / octagon)

4. A stop sign has 8 straight sides meeting at 8 corners. Which shape is it? (hexagon / octagon)

5. A table top has 4 sides, with the top and bottom sides running parallel and the two side edges slanting inward. Which shape is it? (rectangle / trapezoid)

6. A garden bed is built with 5 straight sides meeting at 5 corners. Which shape is it? (hexagon / pentagon)

7. A tile on the floor has 4 sides that are all the same length and 4 square corners. Which shape is it? (square / rectangle)

8. A paper toy flown on a string has 4 sides in 2 matching pairs next to each other, its top pair shorter than its bottom pair. Which shape is it? (kite / rhombus)

9. A picture frame has 4 right angles, with two long sides and two short sides. Which shape is it? (square / rectangle)

10. A kite frame has 4 sides that are all the same length, and its corners are not square corners. Which shape is it? (rhombus / square)

Classifying 2D Shapes — Data Log and Graph

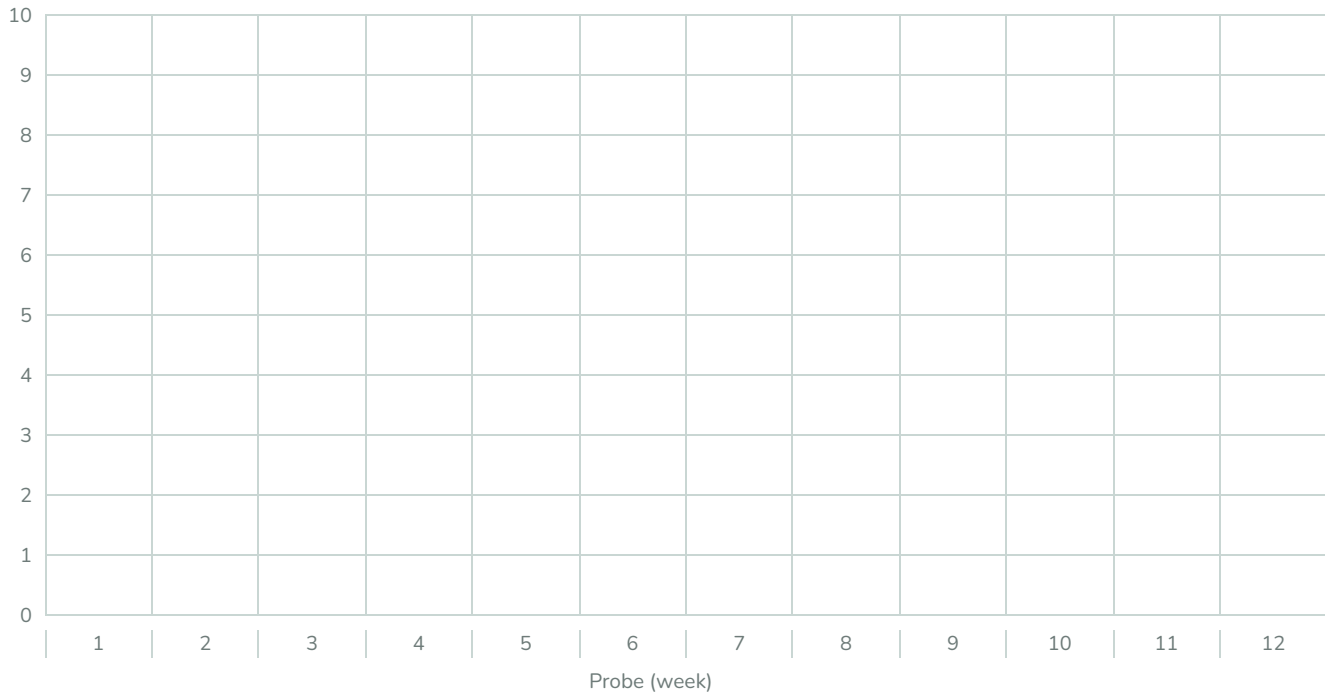
One row per probe. Three points in a row under the aim line is a decision, not a feeling: change the teaching and write what changed in the notes.

STUDENT

CRITERION / AIM

GOAL DATE

CORRECT OUT OF 10 · DRAW THE AIM LINE FROM THE BASELINE TO THE CRITERION FIRST, THEN PLOT EACH WEEK



#	DATE	FORM	CORRECT	ERRORS	SCORE USED ON GRAPH	NOTES (CONDITIONS, WHAT WAS RETEACHED)

Every student on this goal, on one grid. Twelve rows, eight probes, one decision column.

MARKING PERIOD

[illegible]

How to fill it

- ☐ One row per student who has a goal on this skill. Baseline is the median of the first three probes.
- ☐ One column per weekly probe; write the score out of 10, not a percent, so the rows compare.
- ☐ Trend: up, flat or down over the last four probes. That word, not the last score, is what the decision follows.
- ☐ Decision: keep going, change the teaching, or raise the target. A blank decision on a flat row is the thing this page exists to catch.

What it is for

Grouping. When six students sit on the same goal, the individual graphs answer “how is this child doing” and nothing answers “who needs the same fifteen minutes.” Rows that are flat together are a group; a row that is flat alone is a different question. Take this page to the data meeting instead of ten folders.

EXAMPLE

A Filled-In Data Log (Invented Student)

Darius is invented. Twelve weekly probes on classifying 2D shapes, the aim line, the change that three low points forced, and the criterion being met.

The goal, as written for Darius, fourth grade (invented)

By May 20, when given 10 sentences each describing a shape's attributes with its two-word choice shown in parentheses, Darius will write the name of the shape that matches the attributes for 8 of 10 sentences on 3 consecutive weekly probes, as measured by teacher-scored shape classification probes (forms A–F).

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How to read the log

- ☐ Baseline was the median of three forms on three days: 2, 3, 3, so 3. Not the average, not the best.
- ☐ The aim line runs from 3 in week 1 to 8 at the goal date. Probes 4, 5 and 6 (3, 2, 3) sat under it: three in a row, so the teaching changed and the change is written on the row.
- ☐ The notes name the pattern, not just the count: “wrote the right shape name for octagon, trapezoid and kite, but missed hexagon, decagon, rectangle, rhombus, triangle, square and pentagon” is what sent the teaching somewhere specific, and a score on its own would not have said that.
- ☐ Criterion met on probes 11 and 12; one more consecutive probe at 8 or better and the goal is met.

The progress report sentence this log produces

“On weekly classifying 2D shapes probes (10 items, untimed), Darius scored 3 of 10 at baseline in September and 8 of 10 on each of the two most recent probes in November. Progress is sufficient to meet the goal of 8 of 10 on three consecutive probes by May.” Every number in it is on the log above; nothing is from memory.