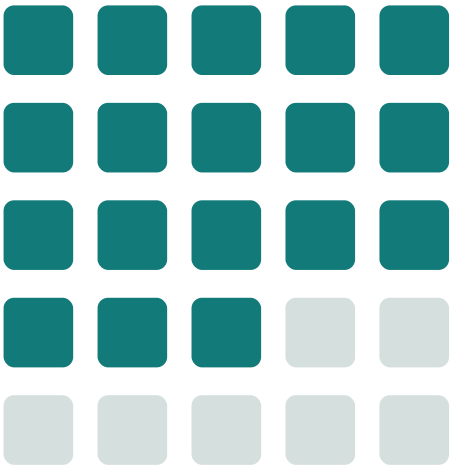
PLT-U12 / SEE THE CONCEPT

# One score report. Four different meanings.

Read the visual model, then test the reasoning.

## FICTIONAL CLASSROOM REPORT



18 / 25

Percent correct

**72%**

Supplied scale

**372**

Supplied percentile

**65th**

## Different questions. Different units.

A score, a percentage and a percentile carry different meanings.

A fictional classroom report gives 18 of 25 points, a supplied scale of 300 + 4 × raw points, and the 65th percentile. Its convention places 65% of the reference group at or below the score.

PLT-U12 / WORK THE CASE

# One score report. Four different meanings.

Follow the stated conditions. Check the answer against the original case.

RAW SCORE

18 of 25

Points earned on this task

PERCENT CORRECT

72%

18/25 × 100

SUPPLIED SCALE

372

300 + 4 × 18

SUPPLIED PERCENTILE

65th

Position in the stated group

1 **KEEP TASK PERFORMANCE**

Raw score is 18 of 25; percent correct is 18/25 × 100 = 72%. The denominator is available task points.

2 **APPLY THE GIVEN SCALE**

Scaled score = 300 + 4 × 18 = 372. Reverse-check: (372 - 300)/4 = 18. The scaled value is not a percentage.

3 **KEEP THE REFERENCE GROUP**

The 65th percentile describes position in the stated group. It is not 65% correct or 65% of the curriculum mastered.

TEST YOUR REASONING

**Would the total score alone identify what to reteach?**

No. Inspect errors against learning criteria. A gap may concern fraction magnitude, reading access or a calculation slip.

The transformation and norm are fictional, with no official exam equivalence. Another reference distribution can give a different percentile for the same 72%.