Shape-Variable Equation Puzzles: Solve by Substitution

Original tasks 1, 2 / independent work

Task 1

A square plus a star equals 10. Two squares plus a star equals 16. Find the square and the star.

Task 2

A circle plus a triangle equals 12. A circle plus two triangles equals 17. Find the circle and the triangle.

Shape-Variable Equation Puzzles: Solve by Substitution

Original tasks 3, 4 / independent work

Task 3

Three hearts equal 12. A heart plus a diamond equals 9. Find the heart and the diamond.

Task 4

Two moons plus a sun equals 14. A moon plus a sun equals 9. Find the moon and the sun.