

Individual Learning Intermediate



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SI Manufacturing

Intermediate Tasks	Algebra Tiles (35 pcs)
1 Modeling Equations	Use the algebra tiles to solve $2x+3 = 4x-3$.
	Model the equation first and then solve for x.
	Remember the rule about the "zero" pairs
	1 -1
	х -х
2 Solving for x	One less than two times a number is equal to three more than the number.
	Let x represent the number.
	Model the equation with the algebra tiles and then solve for x.
3 Three Numbers	The sum of three consecutive numbers is 63.
	Write an equation you could use to solve this problem. Model this with algebra tiles.
	Solve the equation. What are the three numbers?
4 Modelling to Solve	Five times a number is equal to two more than three times a number.
	Let x represent the number.
	Model the equation with algebra tiles and then solve for x.
5 What's the Equation?	
	X
	X -1 -1 -1 -1
	X -1 -1 -1 -1
	What equation does this represent?
	Then solve for x.





Intermediate	Tangrams (7 pcs per set)
Taske	Assorted Color- No color choice
	Build the following design using all the tangram pieces
1 Tangram Puzzie	Durid the following design using an the tangram pieces.
2 Tangram Puzzle	Build the following design using all the tangram pieces
3 Tangram Puzzle	Build the following design using all the tangram pieces
4 Tangram Challenge	Try and build a square, triangle, trapezoid, parallelogram and pentagon with 1, 2,3,4, 5, 6, and all 7 pieces. See how many you can solve, not all may be possible!
5 Puzzle Challenge	Arrange the tangrams such that they make 1 large square all together.
	What fraction of the whole square does the small triangle represent?