Varied Fluency Step 4: Substitution

National Curriculum Objectives:

Mathematics Year 6: (6A2) <u>Use simple formulae</u> Mathematics Year 6: (6A3) <u>Generate and describe linear number sequences</u> Mathematics Year 6: (6A4) <u>Find pairs of numbers that satisfy an equation with two</u> <u>unknowns</u>

Differentiation:

Developing Questions to support substitution into simple equations to find a value. 2 substitutions with whole numbers only and all 4 operations.

Expected Questions to support substitution into simple equations to find a value. 2 or 3 substitutions using whole numbers, some decimals, fractions and all 4 operations. Some examples may require knowledge or the order of operations.

Greater Depth Questions to support substitution into simple equations to find a value. 3 or 4 substitutions using whole numbers, negative numbers, decimals, fractions, mixed numbers and all 4 operations. Some examples require knowledge of the order of operations.

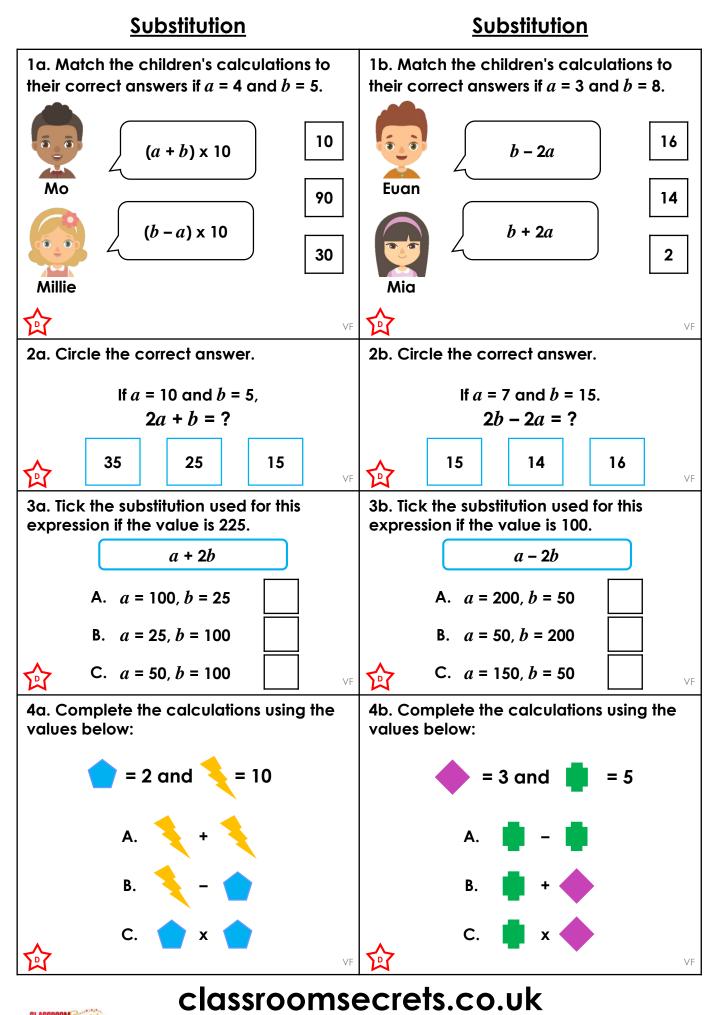
More <u>Year 6 Algebra</u> resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



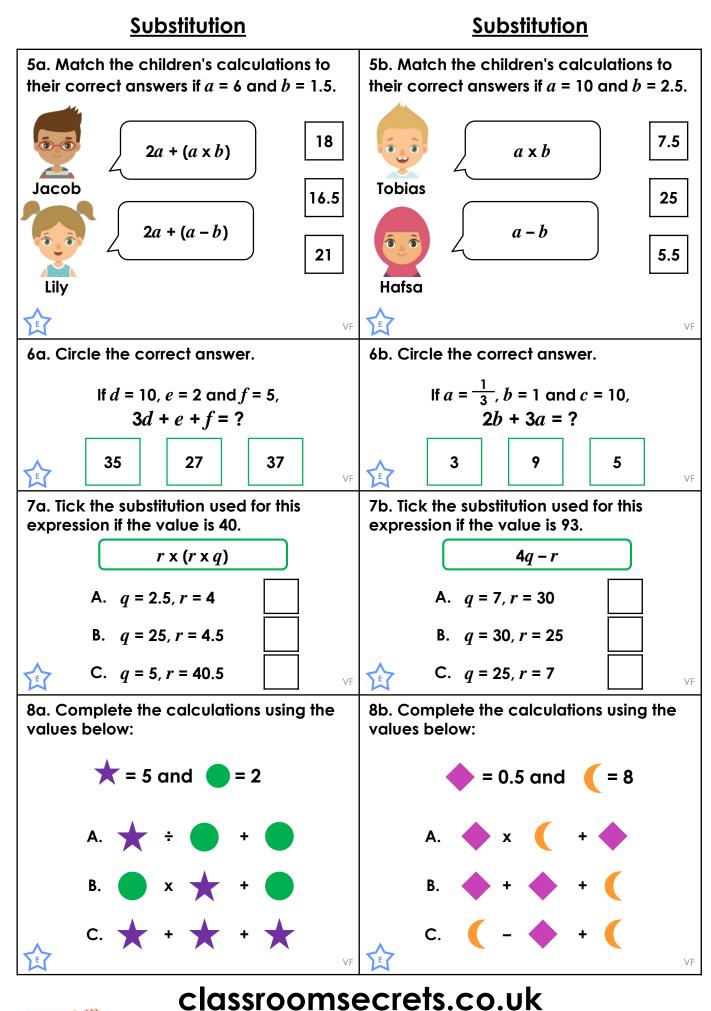
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Varied Fluency – Substitution – Teaching Information



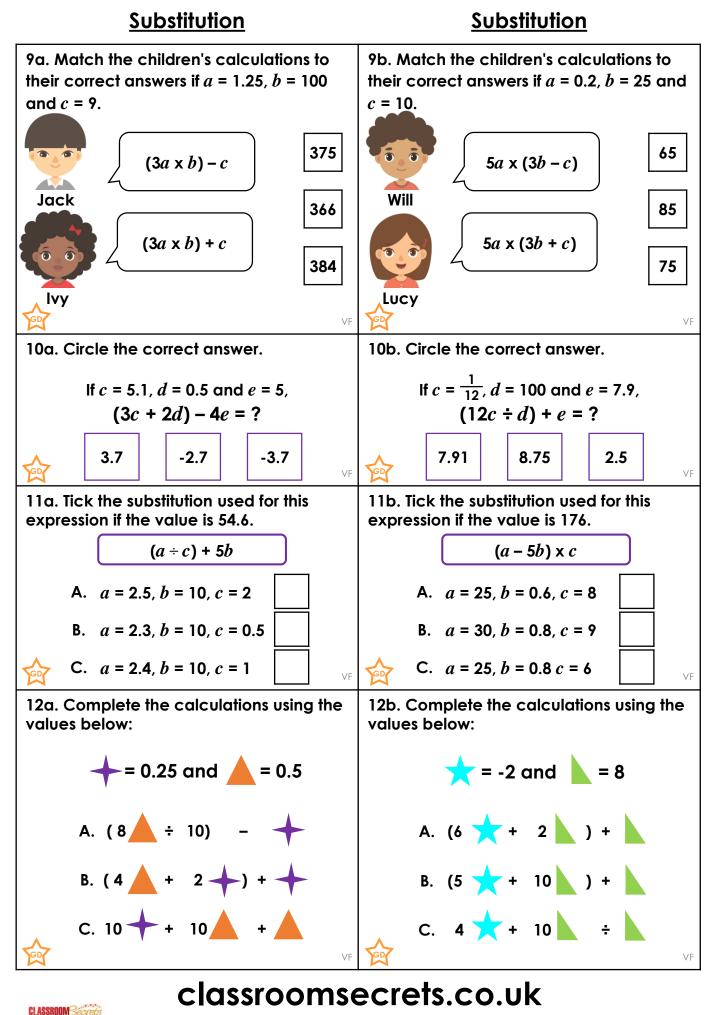
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Varied Fluency – Substitution – Year 6 Developing



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Varied Fluency – Substitution – Year 6 Expected



Varied Fluency – Substitution – Year 6 Greater Depth

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Varied Fluency Substitution

Developing 1a. Mo = 90; Millie = 10

2a. 25 3a. B 4a. A = 20; B = 8; C = 4

Expected

5a. Jacob = 21; Lily = 16.5 6a. 37 7a. A 8a. A = 4.5; B = 12; C = 15

Greater Depth

9a. Jack = 366; Ivy = 384 10a. -3.7 11a. B 12a. A = 0.15; B = 2.75; C = 8

Varied Fluency Substitution

Developing 1b. Euan = 2; Mia = 14 2b. 16 3b. A 4b. A = 0; B = 8; C = 15

Expected 5b. Tobias = 25; Hafsa = 7.5 6b. 3 7b. C 8b. A = 4.5; B = 9; C = 15.5

<u>Greater Depth</u> 9b. Will = 65; Lucy = 85 10b. 7.91 11b. A 12b. A = 12; B = 78; C = 2

