Varied Fluency Step 10: Find Pairs of Values 2

National Curriculum Objectives:

Mathematics Year 6: (6A5) Enumerate possibilities of combinations of two variables

Differentiation:

Developing Questions to support solving equations which involve multiples of one unknown, using all four operations and whole numbers less than 20.

Expected Questions to support solving equations which involve multiples of one unknown, using all four operations and whole numbers.

Greater Depth Questions to support solving equations which involve multiples of one or more unknown, using all four operations with whole numbers, decimals, fractions and negative numbers.

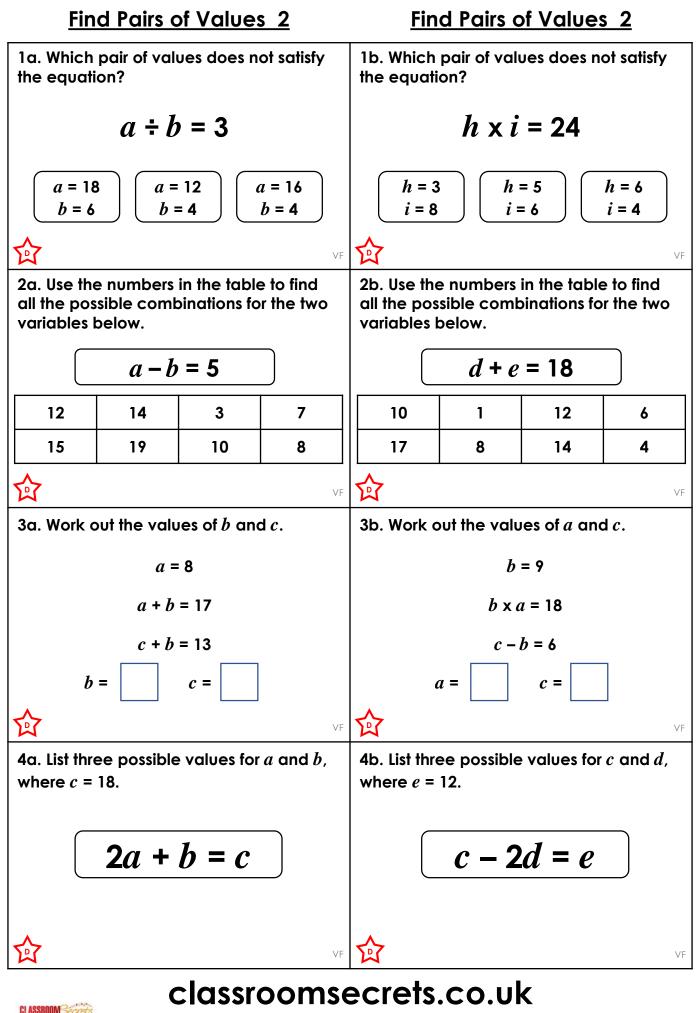
More Year 6 Algebra resources.

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



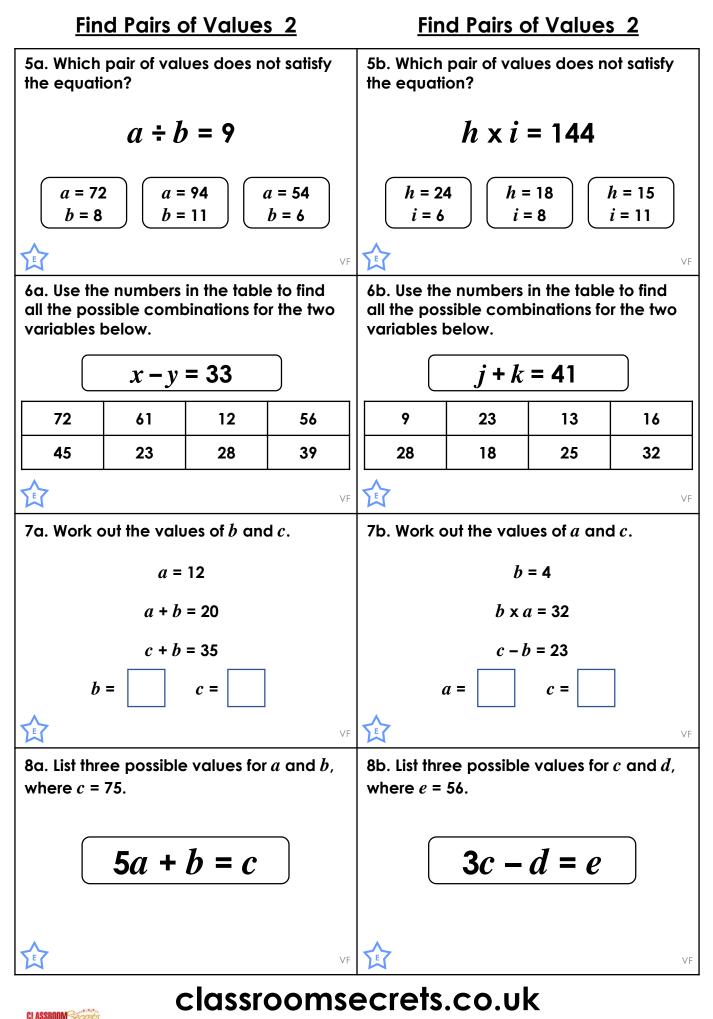
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Varied Fluency – Find Pairs of Values 2 – Teaching Information



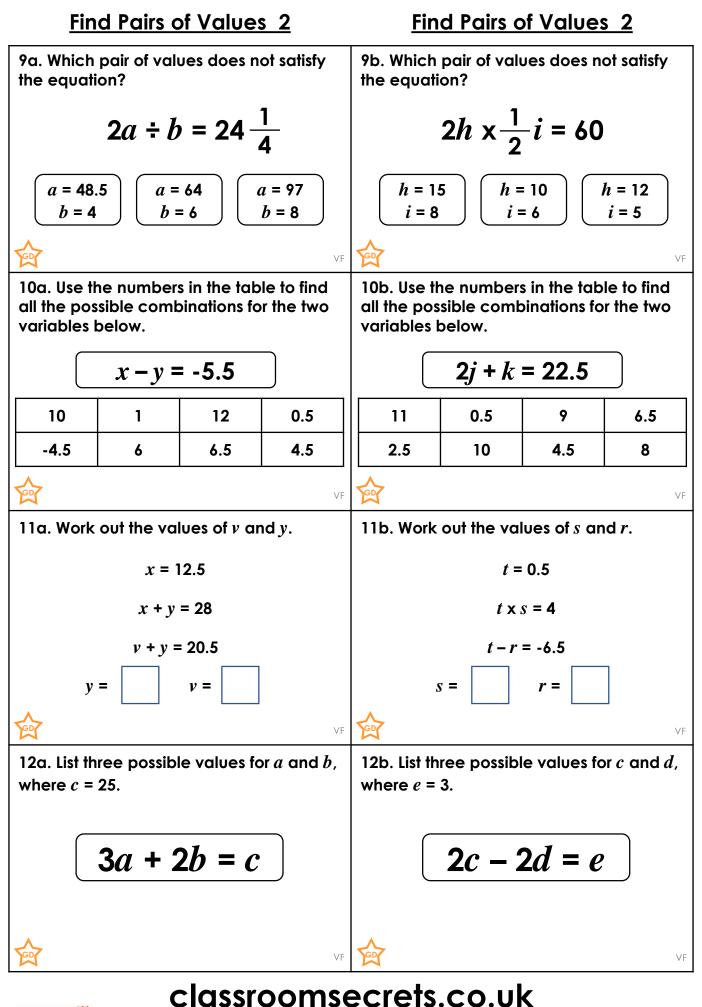
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Varied Fluency – Find Pairs of Values 2 – Year 6 Developing



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Varied Fluency – Find Pairs of Values 2 – Year 6 Expected



Varied Fluency – Find Pairs of Values 2 – Year 6 Greater Depth

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Developing

1a. a = 16 and b = 42a. 19 and 14; 15 and 10; 12 and 7; 8 and 3 3a. b = 9 and c = 44a. Various answers, for example: if a = 9, then b = 0; if a = 8, then b = 2; if a = 7, then b = 4.

Expected

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5a. a = 94 and b = 116a. 45 and 12; 61 and 28; 56 and 23; 72 and 39 7a. b = 8 and c = 278a. Various answers, for example: if a = 12, then b = 15; if a = 10, then b = 25; if a = 8, then b = 35.

<u>Greater Depth</u> 9a. a = 64 and b = 610a. 4.5 and 10; 0.5 and 6; 6.5 and 12; -4.5 and 1 11a. y = 15.5 and v = 512a. Various answers, for example: If a = 8, then b = 0.5; if a = 6, then b = 3.5; if a = 4, then b = 6.5.

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Developing 1b. h = 5 and i = 62b. 10 and 8; 12 and 6; 14 and 4; 17 and 1 3b. a = 2 and c = 154b. Various answers, for example: if c = 14, then d = 1; if c = 16, then d = 2; if c = 18, then d = 3.

Expected 5b. h = 15 and i = 116b. 23 and 18; 25 and 16; 28 and 13; 32 and 9 7b. a = 8 and c = 278b. Various answers, for example: if c = 19, then d = 1; if c = 20, then d = 4; if c = 21, then d = 7.

<u>Greater Depth</u> 9b. h = 15 and i = 810b. 11 and 0.5; 10 and 2.5; 9 and 4.5; 8 and 6.5 11b. s = 8 and r = 712b. Various answers, for example: If c =13, then d = 11.5; if c = 10, then d = 8.5; if c =8, then d = 6.5.



Varied Fluency – Find Pairs of Values 2 ANSWERS