# <u>Varied Fluency</u> <u>Step 2: Find a Rule – Two Step</u>

## National Curriculum Objectives:

Mathematics Year 6: (6A1) <u>Express missing number problems algebraically</u> Mathematics Year 6: (6A2) <u>Use simple formulae</u>

## Differentiation:

**Developing** Questions to support finding inputs and outputs using two-step function machines, using whole numbers only.

Expected Questions to support finding inputs and outputs using two-step function machines, using all four operations and where an input or output may be a decimal number or a negative number.

Greater Depth Questions to support finding inputs and outputs using two-step function machines, using all four operations where an input or output may be decimal number, negative number, fraction or mixed number. Functions may include decimal numbers.

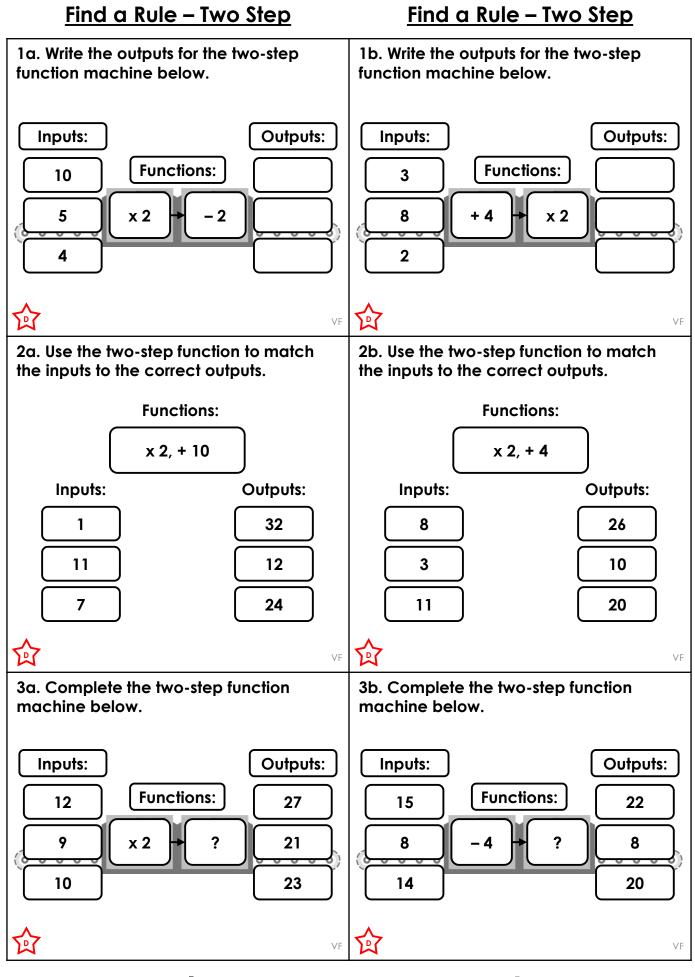
More <u>Year 6 Algebra</u> resources.

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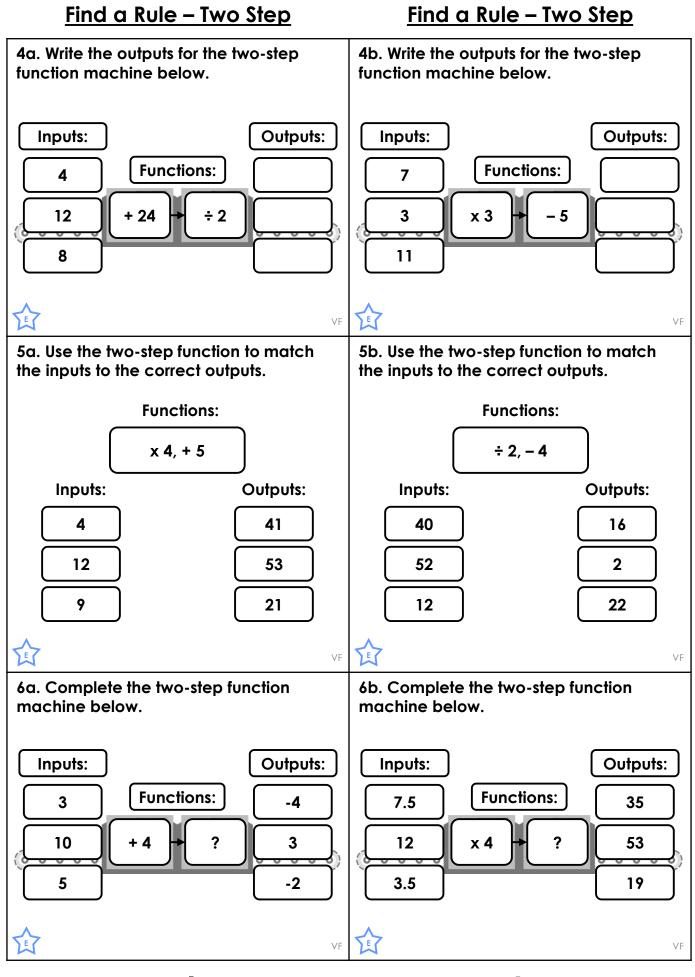
Varied Fluency – Find a Rule – Two Step – Teaching Information



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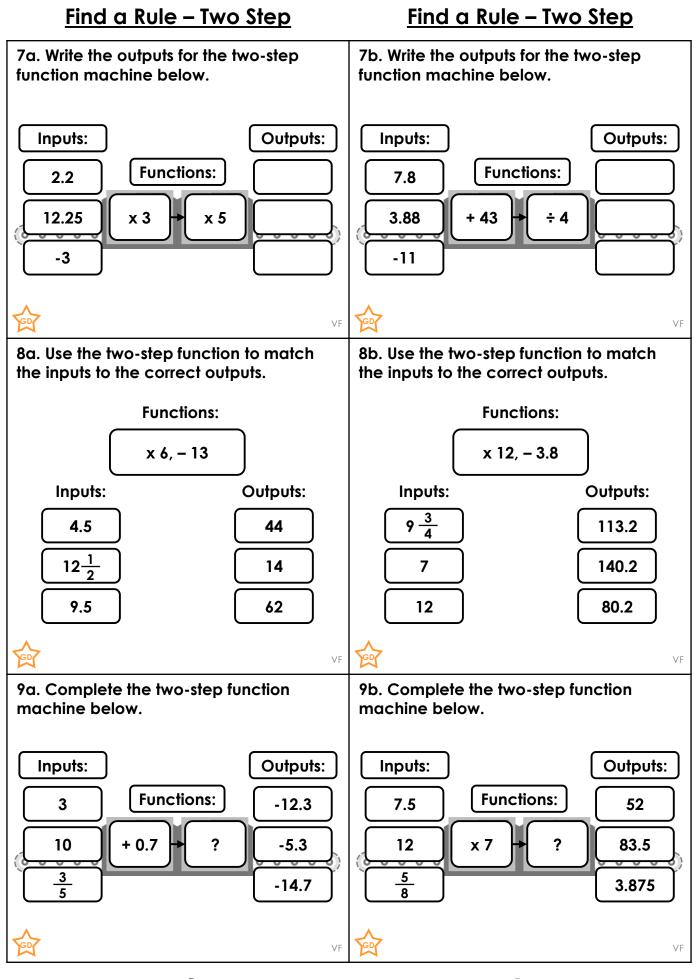
Varied Fluency – Find a Rule – Two Step – Year 6 Developing



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Varied Fluency – Find a Rule – Two Step – Year 6 Expected



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Varied Fluency – Find a Rule – Two Step – Year 6 Greater Depth

### Varied Fluency Find a Rule – Two Step

#### Developing

1a. 18, 8, 6 2a. 1, 12; 11, 32; 7, 24 3a. + 3

#### **Expected**

4a. 14, 18, 16 5a. 4, 21; 12, 53; 9, 41 6a. – 11

### **Greater Depth**

7a. 33, 183.75, -45 8a. 4.5, 14; 12<sup>1</sup>/<sub>2</sub>, 62; 9.5, 44 9a. – 16

## <u>Varied Fluency</u> <u>Find a Rule – Two Step</u>

<u>Developing</u> 1b. 14, 24, 12 2b. 8, 20; 3, 10; 11, 26 3b. x 2

<u>Expected</u> 4b. 16, 4, 28 5b. 40, 16; 52, 22; 12, 2 6b. + 5

## <u>Greater Depth</u> 7b. 12.7, 11.72, 8 8b. 9<sup>3</sup>/<sub>4</sub>, 113.2; 7, 80.2; 12, 140.2 9b. – 0.5



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Varied Fluency – Find a Rule – Two Step ANSWERS