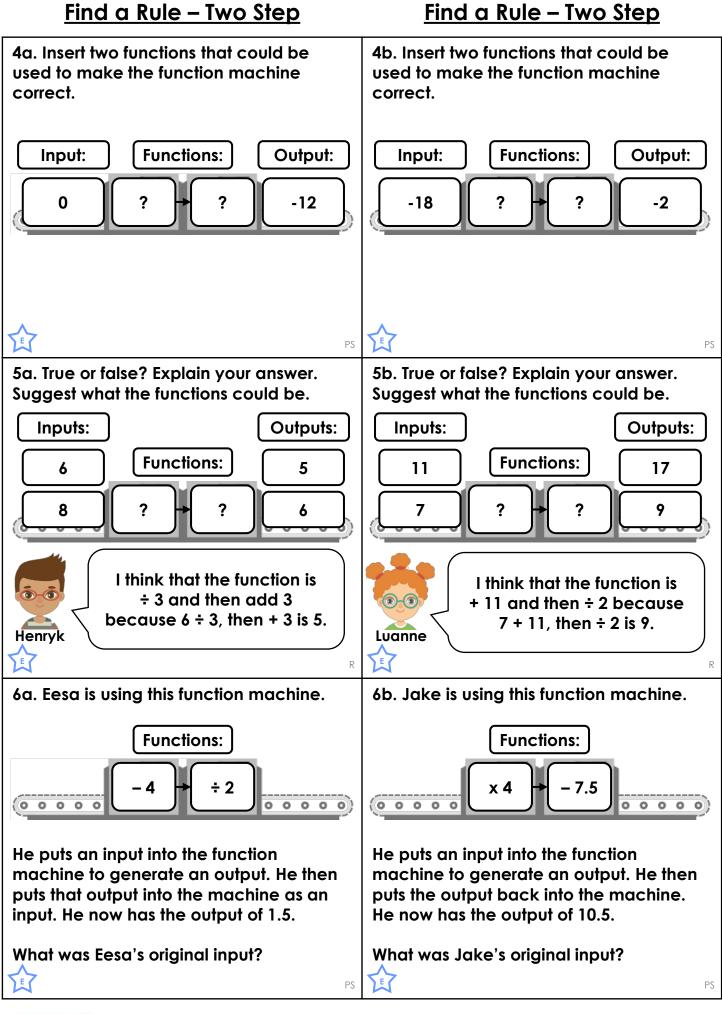


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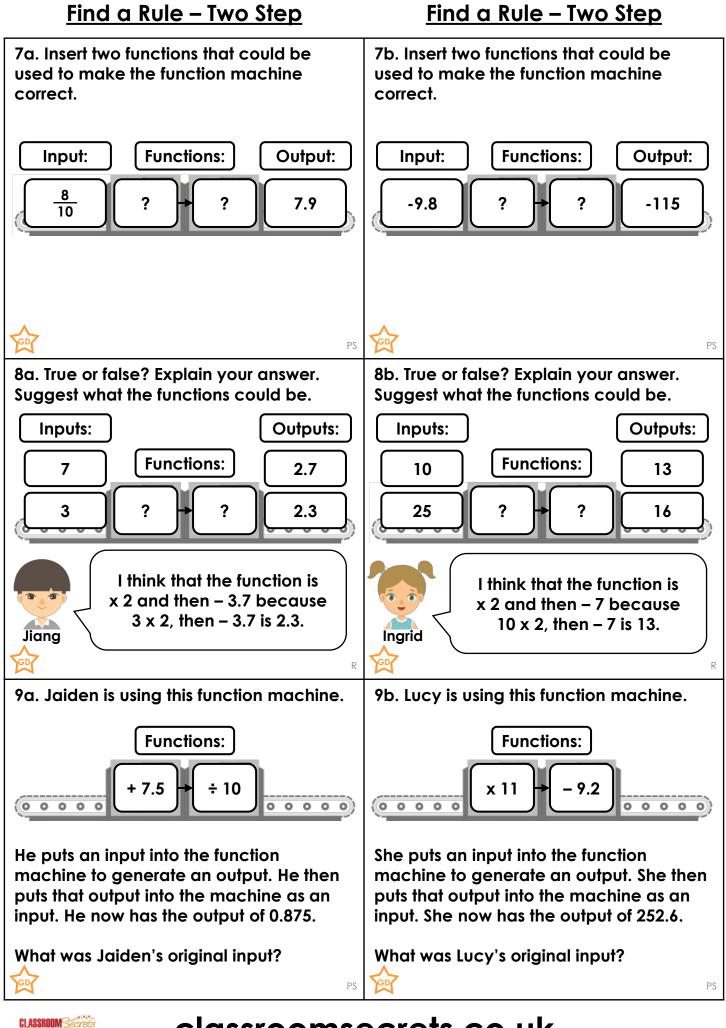
Reasoning and Problem Solving – Find a Rule – Two Step – Year 6 Developing



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Reasoning and Problem Solving – Find a Rule – Two Step – Year 6 Expected



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Reasoning and Problem Solving – Find a Rule – Two Step – Year 6 Greater Depth

### <u>Reasoning and Problem Solving</u> <u>Find a Rule – Two Step</u>

#### Developing

1a. Various answers, for example: +1; -22a. False. This doesn't work for an input of 5 to give an output of 15. The function could be x 2, +5. 3a. 1

#### **Expected**

4a. Various answers, for example: – 3; x 4 5a. False. This doesn't work for an input of 8 to give an output of 6. The function could be + 4, ÷ 2 or ÷ 2, + 2. 6a. 18

#### Greater Depth

7a. Various answers, for example: + 15; ÷ 2
8a. False. This doesn't work for an input of
7 to give an output of 2.7. The function could be + 20, ÷ 10.
9a. 5

### <u>Reasoning and Problem Solving</u> <u>Find a Rule – Two Step</u>

#### Developing

1b. Various answers, for example: -6; +42b. False. This doesn't work for an input of 8 to give an output of 12. The function could be -2, x 2 or x 2, -4. 3b. 6

#### **Expected**

4b. Various answers, for example: + 10;  $\div$  4. 5b. False. This doesn't work for an input of 11 to give an output of 17. The function could be x 2, – 5. 6b. 3

#### <u>Greater Depth</u>

7b. The missing functions are x 10, - 17. If the input is 30, the output will be 283.
8b. False. This doesn't work for an input of 25 to give an output of 16. The function could be ÷ 5, + 11.
9b. 3



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