

YEARS 3 & 4 | CHALLENGE 2 TRAINING

PRIORITY ACCESS CASE

Task 1

Complete the following Reverse Polish Notation calculations

1.1 5 7 +

1.2 12 7 -

1.3 8 4 ÷

1.4 20 5 ÷

Task 2

2.1 Which of the following (a or b) is the correct way to calculate

7 4 - 2 + ?

a)

-	+	
4	2	
7	3	5

b)

-	+	
4	2	
7	-3	-1

2.2 Which of the following (a or b) is the correct way to calculate

$$742 - 54 = ?$$

a)

-	+	
2	5	
4	4	
7		9

b)

-	+	
2	2	
4	7	
7		9

2.3 Find the mistake in the following calculation of:

$$39 + 42 \div 3 = ?$$

+	+	÷	
9	2	6	
3	4	12	
	12		0.5

2.4 Correctly calculate: $39 + 42 \div 3 = ?$

2.5 Find the mistake in the following calculation of: $71 - 66 \div 3 = ?$

+	÷	
6	12	
6	6	
6		2

Task 2

2.6 Correctly calculate: **3 1 6 6 - + ÷ ?**

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2.7 Correctly calculate: **3 1 4 + × ?**

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2.8 Correctly calculate: **9 4 - 5 + ?**

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2.9 Correctly calculate: **11 8 - 4 4 + × ?**

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2.10 Correctly calculate: **5 10 ÷ 8 4 ÷ + ?**

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Task 3

3.1 **$f(x) = 2 \times x$, calculate $f(7)$**

3.2 **$g(x) = x + 3$, calculate $g(7)$**

3.3 **If $f(x) = 3 \times x$ and $g(x) = x + 1$, calculate $f(g(5))$**

3.4 **If $f(x) = 2 \times x$ and $g(x) = x + 3$, then what is $g(f(4))$?**