

Varied Fluency

Step 1: Add and Subtract Integers

National Curriculum Objectives:

Mathematics Year 6: (6C8) [Solve problems involving addition, subtraction, multiplication and division](#)

Differentiation:

Developing Questions to support adding and subtracting 5-digit integers.

Expected Questions to support adding and subtracting 6-digit integers (including 0 place value holders).

Greater Depth Questions to support adding and subtracting up to 7-digit integers (including 0 place value holders).

[More resources](#) which follow the same small steps as White Rose.

Did you like this resource? Don't forget to [review](#) it on our website.

Varied Fluency – Add and Subtract Integers

1a. Select the correct answer.

$$\begin{array}{r} 4 \quad 4 \quad 6 \quad 1 \quad 7 \\ - \quad 1 \quad 3 \quad 3 \quad 8 \quad 7 \\ \hline \end{array}$$

A: 31,230

B: 30,630

C: 30,320



VF

1b. Select the correct answer.

$$\begin{array}{r} 7 \quad 6 \quad 5 \quad 4 \quad 3 \\ + \quad 1 \quad 6 \quad 2 \quad 0 \quad 4 \\ \hline \end{array}$$

A: 92,747

B: 92,474

C: 82,747



VF

2a. True or false?

$$45,812 + 33,111 = 78,923$$



VF

2b. True or false?

$$55,872 - 22,431 = 33,341$$



VF

3a. Find the value of C.

41,245	12,384
C	



VF

3b. Find the value of B.

12,444	B
86,268	



VF

4a. Find the sum and the difference between the following numbers.

65,922

23,610



VF

4b. Find the sum and the difference between the following numbers.

14,398

25,402



VF

Varied Fluency – Add and Subtract Integers

5a. Select the correct answer.

$$\begin{array}{r} 5 \quad 7 \quad 7 \quad 0 \quad 3 \quad 2 \\ + \quad 2 \quad 3 \quad 2 \quad 1 \quad 8 \quad 3 \\ \hline \end{array}$$

A: 809,215

B: 812,215

C: 809,364



VF

5b. Select the correct answer.

$$\begin{array}{r} 4 \quad 9 \quad 0 \quad 3 \quad 2 \quad 7 \\ - \quad 1 \quad 2 \quad 8 \quad 2 \quad 1 \quad 6 \\ \hline \end{array}$$

A: 361,111

B: 363,111

C: 362,111



VF

6a. True or false?

$$653,716 - 345,789 = 307,927$$



VF

6b. True or false?

$$131,498 + 213,555 = 354,053$$



VF

7a. Find the value of B.

253,763	B
571,672	



VF

7b. Find the value of A.

A	199,434
300,228	



VF

8a. Find the sum and the difference between the following numbers.

307,325

664,005



VF

8b. Find the sum and the difference between the following numbers.

782,664

209,400



VF

Varied Fluency – Add and Subtract Integers

9a. Select the correct answer.

$$\begin{array}{r} 2\ 0\ 4\ 0\ 5\ 4\ 7 \\ +\ 5\ 7\ 7\ 4\ 8\ 0\ 2 \\ \hline \end{array}$$

A: 7,805,349

B: 7,915,349

C: 7,815,349



VF

9b. Select the correct answer.

$$\begin{array}{r} 8\ 4\ 0\ 7\ 6\ 3\ 7 \\ -\ 3\ 0\ 4\ 7\ 3\ 8\ 9 \\ \hline \end{array}$$

A: 5,306,248

B: 5,360,248

C: 5,360,284



VF

10a. True or false?

$$3,700,573 + 2,005,037 = 5,705,610$$



VF

10b. True or false?

$$5,890,664 - 4,600,981 = 1,289,583$$



VF

11a. Find the value of B.

25,376	1,670,452	B
2,450,788		



VF

11b. Find the value of A.

A	3,784,775	45,008
6,000,459		



VF

12a. Find the sum and the difference between the following numbers.

6,870,023

3,099,345



VF

12b. Find the sum and the difference between the following numbers.

1,237,953

6,036,984



VF

Varied Fluency – Add and Subtract Integers

Developing

- 1a. **A**
- 1b. **A**
- 2a. **True**
- 2b. **False**
- 3a. **53,629**
- 3b. **73,824**
- 4a. **Sum: 89,532; Difference: 42,312**
- 4b. **Sum: 39,800; Difference: 11,004**

Expected

- 5a. **A**
- 5b. **C**
- 6a. **True**
- 6b. **False**
- 7a. **317,909**
- 7b. **100,794**
- 8a. **Sum: 971,330; Difference: 356,680**
- 8b. **Sum: 992,064; Difference: 573,264**

Greater Depth

- 9a. **C**
- 9b. **B**
- 10a. **True**
- 10b. **False**
- 11a. **754,960**
- 11b. **2,170,676**
- 12a. **Sum: 9,969,368; Difference: 3,770,678**
- 12b. **Sum: 7,274,937; Difference: 4,799,031**