

Worksheet For: «Name»		Student ID: «StudentID»		WS ID:«WSID»
Date:		Start time:		End time:
Overall %:	Score obtained: (Section Wise)	Operations	Mixed Review	Critical Thinking
		_____ of 12	_____ of 15	_____ of 5

Math Operations (Addition/Subtraction): Add or subtract the following numbers:

$$\begin{array}{r}
 1. \quad 8497 \\
 - 6421 \\
 + 9302 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 9009 \\
 + 4537 \\
 - 7997 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 3. \quad 8150 \\
 - 6352 \\
 + 4023 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 9514 \\
 - 4673 \\
 + 5524 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5. \quad 6753 \\
 - 247 \\
 + 5524 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6. \quad 6160 \\
 - 1970 \\
 + 2350 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7. \quad 4922 \\
 + 221 \\
 + 706 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \quad 9912 \\
 + 7076 \\
 + 879 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 9. \quad 9372 \\
 - 8618 \\
 - 529 \\
 \hline
 \end{array}$$

$$\boxed{B} \begin{array}{r}
 10. \quad 552 \\
 + 5660 \\
 - 589 \\
 \hline
 \end{array}$$

$$\boxed{B} \begin{array}{r}
 11. \quad 8387 \\
 - 2871 \\
 - 4654 \\
 \hline
 \end{array}$$

$$\boxed{B} \begin{array}{r}
 12. \quad 8536 \\
 + 467 \\
 - 5463 \\
 \hline
 \end{array}$$

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Math Mixed Review (Algebra - Variable and Expression): Simplify the following algebraic expression. One is done for you:

1. $11 + (-9 + 2a)$

2. $7x + 6 - 11x$

$2a + 2$

3. $2z - 5(2 - z)$

4. $10x - 12b - 6b$

5. $\frac{2}{3}x - (\frac{6}{7} - \frac{1}{3}x)$

6. $\frac{1}{5}a + \frac{3}{5}a$

7. $17 - (5y + 12)$

8. $-3.6a + (2.5b - 2.2a)$

Write the algebraic expression for the phrase:

9. Twice of x plus 6 = _____

10. m increased by 10 = _____

11. 6 decreased by twice of x = _____

12. y added to 12 = _____

13. One fifth of sum of 9 and x = _____

14. Product of 7 and m = _____

15. The sum of 9 and a = _____

Problem Solving and Critical Thinking:

1. Robert is a famous painter. He used $4\frac{1}{5}$ gallons of paint last week to paint a house. He used $2\frac{1}{3}$ gallons more paint to paint another house this week. How much total paint did Robert use in all in these two houses? Write in fraction.

2. Tim and Patrick were painting for a school project. Tim used many pots of blue color and Patrick used many pots of red color. At the end of their project work, Tim had $1\frac{3}{20}$ pots of blue color and Patrick had $2\frac{7}{30}$ pots of red color left. How many pots of blue and red colors were left at the end of their project work?

3. Sam bought a bag of flour for his baking needs. He used some of the flour from the bag last week and $\frac{8}{15}$ of flour was left. Sam got a big order for cupcakes for a birthday party and so used $\frac{5}{8}$ of the remaining flour in the bag. What fraction of full bag of flour did Sam use for baking cupcakes?

4. Barbara has a ribbon 8.607 meters long. She first cuts 15 equal pieces of 45 centimeters each and then cuts 6 pieces of 0.29 meters each. What is the length of the ribbon left with her?

B 5. The city library has fiction, non-fiction and other books. Fiction books are $\frac{5}{9}$ of all books and non-fiction books are $\frac{2}{15}$ of all books. If there are 3850 other books in the library, how many non-fiction books are there in the library?