Negative Numbers Practice

Name: _____ Date: _____

Question 1

Solve the operations involving negative numbers

I. 33 - 66 =

II. -300 - -300 =

III. 6 - -10 =

IV. 8 - -3 =

V. -3 - 3 =

VI. -9 - 7 =

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VII. -5 - 66 =

VIII. -300 - -150 =

IX. -150 - -300 =

X. -7 + -3 =

XI. 7 + - 3 =

XII. -95 +10 =

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XIII. $45 + -45 =$

XIV. $-10 \cdot 5 =$

XV. $-7 \cdot 7 =$

XVI. $-2 \cdot -2 =$

XVII. $-64 \div 8 =$

XVIII. $9 \div -3 =$

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XIX. $-72 \div -2 =$

XX. $-\frac{3}{5} =$

XXI. $\frac{-3}{5} =$

XXII. $\frac{3}{-5} =$

XXIII. $\frac{-3}{-5} =$

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Question 2

Solve the equations involving absolute values

I. $|-23| =$

II. $|23-40| =$

III. $|-35+10| =$

IV. $|-3 \cdot 7| =$

V. $|21 \div -3| =$

Negative Numbers Practice

Name: **Key** Date: _____

Question 1

Solve the operations involving negative numbers

I. $33 - 66 = -33$

↓ reverse the minuend and subtrahend

$$\begin{array}{r} 66. \\ -\ 33. \\ \hline 33. \end{array}$$

↓ change the sign of the difference

-33

II. $-300 - -300 = 0$

↓ $(- -) = +$

$$\begin{array}{r} -300. \\ +\ 300. \\ \hline 0. \end{array}$$

III. $6 - -10 = 16$

↓ $(- -) = +$

$$\begin{array}{r} 6. \\ +\ 10. \\ \hline 16. \end{array}$$

IV. $8 - -3 = 11$

↓ $(- -) = +$

$$\begin{array}{r} 8. \\ +\ 3. \\ \hline 11. \end{array}$$

V. $-3 - 3 = -6$

↓ ignore negative sign and treat as addition

$$\begin{array}{r} 3. \\ +\ 3. \\ \hline 6. \end{array}$$

↓ change the sign of the sum

-6

VI. $-9 - 7 = -16$

↓ ignore negative sign and treat as addition

$$\begin{array}{r} 9. \\ +\ 7. \\ \hline 16. \end{array}$$

↓ change the sign of the sum

-16

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VII. $-5 - 66 = -71$

↓ ignore negative sign and treat as addition

$$\begin{array}{r} 5. \\ +\ 66. \\ \hline 71. \end{array}$$

↓ change the sign of the sum

-71

VIII. $-300 - -150 = -150$

↓ $(- -) = +$

$$\begin{array}{r} -300. \\ +\ 150. \\ \hline -150. \end{array}$$

IX. $-150 - -300 = 150$

↓ $(- -) = +$

$$\begin{array}{r} -150. \\ +\ 300. \\ \hline 150. \end{array}$$

X. $-7 + -3 = -10$

↓ $(+ -) = -$

$$\begin{array}{r} -7. \\ -\ \ 3. \\ \hline -10. \end{array}$$

XI. $7 + -3 = 4$

↓ $(+ -) = -$

$$\begin{array}{r} 7. \\ -\ \ 3. \\ \hline 4. \end{array}$$

XII. $-95 + 10 = -85$

↓ ignore negative sign and treat as subtraction

$$\begin{array}{r} 95. \\ -\ 10. \\ \hline 85. \end{array}$$

↓ change the sign of the difference

-85

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XIII. $45 + -45 = 0$

$(+ -) = -$

$$\begin{array}{r} 45. \\ -\ 45. \\ \hline 0. \end{array}$$

XIV. $-10 \cdot 5 = -50$

$$\begin{array}{r} -10. \\ \times\ \ 5. \\ \hline -50. \end{array}$$

XV. $-7 \cdot 7 = -49$

$$\begin{array}{r} -7. \\ \times\ \ 7. \\ \hline -49. \end{array}$$

XVI. $-2 \cdot -2 = 4$

$$\begin{array}{r} -2. \\ \times\ -2. \\ \hline 4. \end{array}$$

XVII. $-64 \div 8 = -8$

$$\begin{array}{r} -64. \\ \div\ \ 8. \\ \hline -8. \end{array}$$

XVIII. $9 \div -3 = -3$

$$\begin{array}{r} 9. \\ \div\ -3. \\ \hline -3. \end{array}$$

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XIX. $-72 \div -2 = 36$

$$\begin{array}{r} -72. \\ \div \ -2. \\ \hline 36. \end{array}$$

XX. $-\frac{3}{5} = -0.6$

$$\begin{array}{r} -3. \\ \div \ 5. \\ \hline -0.6 \end{array}$$

XXI. $\frac{-3}{5} = -0.6$

$$\begin{array}{r} -3. \\ \div \ 5. \\ \hline -0.6 \end{array}$$

XXII. $\frac{3}{-5} = -0.6$

$$\begin{array}{r} 3. \\ \div -5. \\ \hline -0.6 \end{array}$$

XXIII. $\frac{-3}{-5} = 0.6$

$$\begin{array}{r} -3. \\ \div -5. \\ \hline 0.6 \end{array}$$

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Question 2

Solve the equations involving absolute values

I. $|-23| = 23$

II. $|23-40| = |-17| = 17$

↓ reverse the minuend and subtrahend

$$\begin{array}{r} 40. \\ -\ 23. \\ \hline 17. \end{array} \longrightarrow -17$$

change the sign of the difference

III. $|-35+10| = |-25| = 25$

↓ ignore negative sign and treat as subtraction

$$\begin{array}{r} 35. \\ -\ 10 \\ \hline 25. \end{array} \longrightarrow -25$$

change the sign of the difference

IV. $|-3 \cdot 7| = |-21| = 21$

$$\begin{array}{r} -3. \\ \times\ \ 7. \\ \hline -21. \end{array}$$

V. $|21 \div -3| = |-7| = 7$

$$\begin{array}{r} 21. \\ \div\ -3. \\ \hline -7. \end{array}$$