



Grade 8 Number Unit Test

Name _____ Date _____ Score _____ / 20

Part A · Integers

01 $-3 - 9 =$ _____

02 $-2 - (-7) =$ _____

03 $5 - (-10) =$ _____

04 $12 - (-3) =$ _____

Part B · Fractions

Add, subtract, multiply or divide. Simplify each answer. Write improper fractions as mixed numbers.

05 $\frac{7}{9} - \frac{2}{3} =$ _____

06 $\frac{2}{4} + \frac{3}{8} =$ _____

07 $\frac{4}{7} \times \frac{1}{8} =$ _____

08 $2\frac{3}{5} \div \frac{2}{5} =$ _____



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Part C · Decimals

09 $16.945 + 22.030 =$ _____

10 $46.499 + 77.420 =$ _____

11 $47.686 - 13.904 =$ _____

12 $71.411 - 54.542 =$ _____

Part D · Order of Operations

13 $(10 - 8) \times 12 =$ _____

14 $(3 + 4) \times 5 =$ _____



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Part D · Order of Operations (continued)

15 $(10 - 3) \times 8 =$ _____

16 $(9 - 7) \times 10 =$ _____

Part E · Absolute Value

17 $|x + 8| = 6$ _____

18 $|x + 11| = 7$ _____

19 $|x + 6| = 8$ _____

20 $|x - 5| = 1$ _____



Grade 8 Number Unit Test (Answer Key)

Part A • Integers

01 $-3 - 9 = -12$

02 $-2 - (-7) = 5$

03 $5 - (-10) = 15$

04 $12 - (-3) = 15$

Part B • Fractions

Add, subtract, multiply or divide. Simplify each answer. Write improper fractions as mixed numbers.

05 $\frac{7}{9} - \frac{2}{3} = \frac{1}{9}$

06 $\frac{2}{4} + \frac{3}{8} = \frac{7}{8}$

07 $\frac{4}{7} \times \frac{1}{8} = \frac{1}{14}$

08 $2\frac{3}{5} \div \frac{2}{5} = 6\frac{1}{2}$

Part C • Decimals

09 $16.945 + 22.030 = 38.975$

10 $46.499 + 77.420 = 123.919$

11 $47.686 - 13.904 = 33.782$

12 $71.411 - 54.542 = 16.869$

Part D • Order of Operations

13 $(10 - 8) \times 12 = 24$

14 $(3 + 4) \times 5 = 35$

15 $(10 - 3) \times 8 = 56$

16 $(9 - 7) \times 10 = 20$



Grade 8 Number Unit Test (Answer Key)

Part E · Absolute Value

17 $|x + 8| = 6$ $x = -2$ or $x = -14$

18 $|x + 11| = 7$ $x = -4$ or $x = -18$

19 $|x + 6| = 8$ $x = 2$ or $x = -14$

20 $|x - 5| = 1$ $x = 6$ or $x = 4$