

MTH 01

# Midterm Package

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## Basic operations of whole numbers

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**Problem 1. 2.** (1 pt) [yunchun/problems/01/intervention\\_1/addition2.pg](#)

$$7709 + 9707 = \underline{\quad}$$

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**Problem 2. 7.** (1 pt) [yunchun/problems/01/intervention\\_1/multiplication1.pg](#)

$$25 \cdot 13 = \underline{\quad}$$

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**Problem 3. 6.** (1 pt) [yunchun/problems/01/intervention\\_1/division4.pg](#)

When 7 is divided by 18, the quotient is  $\underline{\quad}$  and the remainder is  $\underline{\quad}$ .

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**Problem 4. 8.** (1 pt) [yunchun/problems/01/intervention\\_1/multiplication2.pg](#)

$$302 \cdot 103 = \underline{\quad}$$

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**Problem 5. 10.** (1 pt) [yunchun/problems/01/intervention\\_1/subtraction2.pg](#)

$$1008 - 36 = \underline{\quad}$$

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**Problem 6. 3.** (1 pt) [yunchun/problems/01/intervention\\_1/division1.pg](#)

$$216 \div 6 = \underline{\quad}$$

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**Problem 7. 4.** (1 pt) [yunchun/problems/01/intervention\\_1/division2.pg](#)

$$1463 \div 11 = \underline{\quad}$$

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**Problem 8. 1.** (1 pt) [yunchun/problems/01/intervention\\_1/addition1.pg](#)

$$47 + 987 = \underline{\quad}$$

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**Problem 9. 9.** (1 pt) [yunchun/problems/01/intervention\\_1/subtraction1.pg](#)

$$5324 - 2108 = \underline{\quad}$$

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**Problem 10. 5.** (1 pt) [yunchun/problems/01/intervention\\_1/division3.pg](#)

When 127 is divided by 12, the quotient is  $\underline{\quad}$  and the remainder is  $\underline{\quad}$ .

## Single digit signed numbers

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**Problem 1. 15.** (1 pt) yunchun/problems/01/intervention\_2/fraction6.pg

$$-\frac{6}{3} = \underline{\quad}$$

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**Problem 2. 16.** (1 pt) yunchun/problems/01/intervention\_2/multiplication1.pg

$$6 \cdot 8 = \underline{\quad}$$

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**Problem 3. 1.** (1 pt) yunchun/problems/01/intervention\_2/addition1.pg

$$4 + 8 = \underline{\quad}$$

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**Problem 4. 19.** (1 pt) yunchun/problems/01/intervention\_2/multiplication3.pg

$$(-1)(6) = \underline{\quad}$$

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**Problem 5. 47.** (1 pt) yunchun/problems/01/intervention\_2/zero10.pg

$$(-6) \cdot 0 = \underline{\quad}$$

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**Problem 6. 41.** (1 pt) yunchun/problems/01/intervention\_2/zero5\_01.pg

$$4 - 0 = \underline{\quad}$$

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**Problem 7. 20.** (1 pt) yunchun/problems/01/intervention\_2/multiplication4.pg

$$8(-5) = \underline{\quad}$$

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**Problem 8. 34.** (1 pt) yunchun/problems/01/intervention\_2/zero1.pg

$$-7 + 0 = \underline{\quad}$$

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**Problem 9. 43.** (1 pt) yunchun/problems/01/intervention\_2/zero7.pg

$$-1 - (-1) = \underline{\quad}$$

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**Problem 10. 11.** (1 pt) yunchun/problems/01/intervention\_2/fraction2.pg

$$\frac{32}{4} = \underline{\quad}$$

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**Problem 11. 25.** (1 pt) yunchun/problems/01/intervention\_2/subtraction1\_01.pg

$$15 - 9 = \underline{\quad}$$

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**Problem 12. 33.** (1 pt) yunchun/problems/01/intervention\_2/subtraction9.pg

$$(-10) - (-4) = \underline{\quad}$$

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**Problem 13. 3.** (1 pt) yunchun/problems/01/intervention\_2/addition2.pg

$$-1 + 3 = \underline{\quad}$$

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**Problem 14. 4.** (1 pt) yunchun/problems/01/intervention\_2/addition3.pg

$$(-5) + 2 = \underline{\quad}$$

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**Problem 15. 49.** (1 pt) yunchun/problems/01/intervention\_2/zero12.pg

Divide or state that the division is undefined. (In this case, enter *undefined* .)

$$\frac{-12}{0} = \underline{\quad}$$

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**Problem 16. 40.** (1 pt) yunchun/problems/01/intervention\_2/zero5.pg

$$-7 - 0 = \underline{\quad}$$

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**Problem 17. 37.** (1 pt) yunchun/problems/01/intervention\_2/zero2\_01.pg

$$0 + 2 = \underline{\quad}$$

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**Problem 18. 31.** (1 pt) yunchun/problems/01/intervention\_2/subtraction7.pg

$$1 - 5 = \underline{\quad}$$

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**Problem 19. 2.** (1 pt) yunchun/problems/01/intervention\_2/addition1\_01.pg

$$8 + 5 = \underline{\quad}$$

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**Problem 20. 17.** (1 pt) yunchun/problems/01/intervention\_2/multiplication1\_01.pg

$$4 \cdot 8 = \underline{\quad}$$

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**Problem 21. 8.** (1 pt) yunchun/problems/01/intervention\_2/division1.pg

$$9 \div 9 = \underline{\quad}$$

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**Problem 22. 35.** (1 pt) yunchun/problems/01/intervention\_2/zero1\_01.pg

$$2 + 0 = \underline{\quad}$$

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**Problem 23. 22.** (1 pt) yunchun/problems/01/intervention\_2/multiplication6.pg

$$-8(-1) = \underline{\quad}$$

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**Problem 24. 10.** (1 pt) yunchun/problems/01/intervention\_2/fraction1.pg

$$\frac{-4}{-1} = \underline{\quad}$$

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**Problem 25. 9.** (1 pt) yunchun/problems/01/intervention\_2/division1\_01.pg

$$25 \div 5 = \underline{\quad}$$

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**Problem 26. 21.** (1 pt) yunchun/problems/01/intervention\_2/multiplication5.pg

$$(6)(-6) = \underline{\quad}$$

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**Problem 27. 6.** (1 pt) [yunchun/problems/01/intervention\\_2/addition5.pg](#)

$$(-3) + (-9) = \underline{\hspace{2cm}}$$

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**Problem 28. 30.** (1 pt) [yunchun/problems/01/intervention\\_2/subtraction6.pg](#)

$$1 - (-8) = \underline{\hspace{2cm}}$$

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**Problem 29. 36.** (1 pt) [yunchun/problems/01/intervention\\_2/zero2.pg](#)

$$0 + (-3) = \underline{\hspace{2cm}}$$

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**Problem 30. 27.** (1 pt) [yunchun/problems/01/intervention\\_2/subtraction3.pg](#)

$$-1 - 5 = \underline{\hspace{2cm}}$$

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**Problem 31. 13.** (1 pt) [yunchun/problems/01/intervention\\_2/fraction4.pg](#)

$$\frac{-21}{3} = \underline{\hspace{2cm}}$$

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**Problem 32. 24.** (1 pt) [yunchun/problems/01/intervention\\_2/subtraction1.pg](#)

$$6 - 3 = \underline{\hspace{2cm}}$$

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**Problem 33. 14.** (1 pt) [yunchun/problems/01/intervention\\_2/fraction5.pg](#)

$$-\frac{28}{-4} = \underline{\hspace{2cm}}$$

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**Problem 34. 38.** (1 pt) [yunchun/problems/01/intervention\\_2/zero3.pg](#)

$$0 - 7 = \underline{\hspace{2cm}}$$

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**Problem 35. 44.** (1 pt) [yunchun/problems/01/intervention\\_2/zero7\\_01.pg](#)

$$6 - 6 = \underline{\hspace{2cm}}$$

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**Problem 36. 48.** (1 pt) [yunchun/problems/01/intervention\\_2/zero11.pg](#)

$$0 \cdot (-1) = \underline{\hspace{2cm}}$$

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**Problem 37. 32.** (1 pt) [yunchun/problems/01/intervention\\_2/subtraction8.pg](#)

$$-11 - (-6) = \underline{\hspace{2cm}}$$

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**Problem 38. 18.** (1 pt) [yunchun/problems/01/intervention\\_2/multiplication2.pg](#)

$$-3 \cdot 6 = \underline{\hspace{2cm}}$$

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**Problem 39. 45.** (1 pt) [yunchun/problems/01/intervention\\_2/zero8.pg](#)

$$(-7) - (-7) = \underline{\hspace{2cm}}$$

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**Problem 40. 39.** (1 pt) yunchun/problems/01/intervention\_2/zero4.pg

$$0 - (-7) = \underline{\hspace{2cm}}$$

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**Problem 41. 29.** (1 pt) yunchun/problems/01/intervention\_2/subtraction5.pg

$$(-1) - (-9) = \underline{\hspace{2cm}}$$

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**Problem 42. 50.** (1 pt) yunchun/problems/01/intervention\_2/zero12\_01.pg

Divide or state that the division is undefined. (In this case, enter *undefined* .)

$$\frac{5}{0} = \underline{\hspace{2cm}}$$

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**Problem 43. 23.** (1 pt) yunchun/problems/01/intervention\_2/multiplication7.pg

$$(-2)(-9) = \underline{\hspace{2cm}}$$

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**Problem 44. 42.** (1 pt) yunchun/problems/01/intervention\_2/zero6.pg

$$(-6) - 0 = \underline{\hspace{2cm}}$$

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**Problem 45. 12.** (1 pt) yunchun/problems/01/intervention\_2/fraction3.pg

$$\frac{10}{-2} = \underline{\hspace{2cm}}$$

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**Problem 46. 26.** (1 pt) yunchun/problems/01/intervention\_2/subtraction2.pg

$$(-4) - 1 = \underline{\hspace{2cm}}$$

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**Problem 47. 46.** (1 pt) yunchun/problems/01/intervention\_2/zero9.pg

$$3 \cdot 0 = \underline{\hspace{2cm}}$$

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**Problem 48. 7.** (1 pt) yunchun/problems/01/intervention\_2/addition6.pg

$$7 + (-1) = \underline{\hspace{2cm}}$$

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**Problem 49. 5.** (1 pt) yunchun/problems/01/intervention\_2/addition4.pg

$$-3 + (-5) = \underline{\hspace{2cm}}$$

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**Problem 50. 28.** (1 pt) yunchun/problems/01/intervention\_2/subtraction4.pg

$$-1 - (-3) = \underline{\hspace{2cm}}$$

## Powers and order of operations

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**Problem 1. 9.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_9.pg](#)

$$2^6 = \underline{\quad}$$

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**Problem 2. 20.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_20.pg](#)

$$2^2 + 5^2 = \underline{\quad}$$

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**Problem 3. 8.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_8.pg](#)

$$5 + 3 \cdot 7 - (4 + 3 \cdot 4) = \underline{\quad}$$

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**Problem 4. 1.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_1.pg](#)

$$3 + 18 \div 6 = \underline{\quad}$$

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**Problem 5. 18.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_18.pg](#)

$$1^6 = \underline{\quad}$$

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**Problem 6. 6.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_6.pg](#)

$$2 \cdot 3 \cdot 5 \div 3 - 2 = \underline{\quad}$$

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**Problem 7. 11.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_11.pg](#)

$$(-5)^2 = \underline{\quad}$$

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**Problem 8. 2.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_2.pg](#)

$$11 \cdot 3 - 17 = \underline{\quad}$$

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**Problem 9. 4.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_4.pg](#)

$$2 \cdot 4 + (24 - 2) = \underline{\quad}$$

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**Problem 10. 15.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_15.pg](#)

$$12 \div 3 \cdot 4 = \underline{\quad}$$

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**Problem 11. 3.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_3.pg](#)

$$20 - 8 - 9 = \underline{\quad}$$

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**Problem 12. 14.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_14.pg](#)

$$[32 \div (8 \div 2)]^2 = \underline{\quad}$$

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**Problem 13. 19.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_19.pg](#)

$$2 + 4 \div 2 \cdot 9 = \underline{\quad}$$

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**Problem 14. 5.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_5.pg](#)

$$0 - 5 + 6 = \underline{\quad}$$

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**Problem 15. 13.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_13.pg](#)

$$(2 \cdot 4)^2 = \underline{\quad}$$

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**Problem 16. 16.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_16.pg](#)

$$13 - 2(5 - 3) = \underline{\quad}$$

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**Problem 17. 10.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_10.pg](#)

$$23^0 = \underline{\quad}$$

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**Problem 18. 17.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_17.pg](#)

$$(17 + 18 + 19) \div 3 = \underline{\quad}$$

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**Problem 19. 12.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_12.pg](#)

$$-3^2 = \underline{\quad}$$

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**Problem 20. 7.** (1 pt) [yunchun/problems/01/intervention\\_3/order\\_of\\_operation\\_7.pg](#)

$$16 - 0 \div 6 = \underline{\quad}$$



## Basic fractions

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**Problem 1. 6.** (1 pt) yunchun/problems/01/intervention\_4/power\_1.pg

$$\left(\frac{3}{4}\right)^4 = \underline{\hspace{2cm}}$$

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**Problem 2. 7.** (1 pt) yunchun/problems/01/intervention\_4/reduce\_1.pg

Reduce the fraction to lowest terms.

$$\frac{4}{14} = \underline{\hspace{2cm}}$$

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**Problem 3. 9.** (1 pt) yunchun/problems/01/intervention\_4/subtraction\_2.pg

$$\frac{5}{9} - \frac{1}{3} = \underline{\hspace{2cm}}$$

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**Problem 4. 8.** (1 pt) yunchun/problems/01/intervention\_4/subtraction\_1.pg

$$\frac{2}{3} - \frac{1}{12} = \underline{\hspace{2cm}}$$

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**Problem 5. 10.** (1 pt) yunchun/problems/01/intervention\_4/zero\_1.pg

$$\frac{3}{8} \cdot \frac{1}{2} \cdot 0 = \underline{\hspace{2cm}}$$

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**Problem 6. 5.** (1 pt) yunchun/problems/01/intervention\_4/multiplication\_2.pg

$$\frac{3}{4} \cdot \frac{3}{4} \cdot \frac{3}{4} = \underline{\hspace{2cm}}$$

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**Problem 7. 3.** (1 pt) yunchun/problems/01/intervention\_4/division\_1.pg

$$\frac{1}{4} \div \frac{4}{5} = \underline{\hspace{2cm}}$$

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**Problem 8. 2.** (1 pt) yunchun/problems/01/intervention\_4/addition\_and\_subtraction\_1.pg

$$\frac{1}{8} + \frac{1}{12} - \frac{1}{16} = \underline{\hspace{2cm}}$$

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**Problem 9. 1.** (1 pt) yunchun/problems/01/intervention\_4/addition\_1.pg

$$\frac{1}{5} + \frac{2}{9} = \underline{\hspace{2cm}}$$

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**Problem 10. 4.** (1 pt) yunchun/problems/01/intervention\_4/multiplication\_1.pg

$$\frac{8}{9} \cdot \frac{3}{8} = \underline{\hspace{2cm}}$$

## Primes and mixed numbers

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**Problem 1. 7.** (1 pt) [yunchun/problems/01/intervention.5/multiplication.1.pg](#)

$$2 \cdot \frac{5}{8} = \underline{\hspace{2cm}}$$

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**Problem 2. 3.** (1 pt) [yunchun/problems/01/intervention.5/convert.2.pg](#)

Convert the mixed number to an improper fraction.

$$4\frac{1}{5} = \underline{\hspace{2cm}}$$

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**Problem 3. 4.** (1 pt) [yunchun/problems/01/intervention.5/division.1.pg](#)

$$3\frac{1}{3} \div 1\frac{3}{7} = \underline{\hspace{2cm}}$$

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**Problem 4. 6.** (1 pt) [yunchun/problems/01/intervention.5/lcm.1.pg](#)

The least common multiple (LCM) of 25 and 35 is \_\_\_\_\_.

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**Problem 5. 10.** (1 pt) [yunchun/problems/01/intervention.5/subtraction.1.pg](#)

$$4\frac{2}{5} - 1\frac{5}{8} = \underline{\hspace{2cm}}$$

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**Problem 6. 2.** (1 pt) [yunchun/problems/01/intervention.5/convert.1.pg](#)

Convert the improper fraction to a mixed number.

$$\frac{16}{7} = \underline{\hspace{2cm}}$$

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**Problem 7. 8.** (1 pt) [yunchun/problems/01/intervention.5/multiplication.2.pg](#)

$$\frac{23}{24} \cdot 16 = \underline{\hspace{2cm}}$$

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**Problem 8. 9.** (1 pt) [yunchun/problems/01/intervention.5/prime.factorization1.pg](#)

Find the prime factorization :

$$189 = (\underline{\hspace{1cm}})^3 \times \underline{\hspace{1cm}}$$

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**Problem 9. 5.** (1 pt) [yunchun/problems/01/intervention.5/gcd1.pg](#)

The greatest common factor (GCF) of 6 and 21 is \_\_\_\_\_.

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**Problem 10. 1.** (1 pt) [yunchun/problems/01/intervention.5/addition.1.pg](#)

$$4\frac{5}{6} + 1\frac{5}{9} = \underline{\hspace{2cm}}$$

## 2015\_sample\_midterm

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**Problem 1. 1.** (2 pts) yunchun/problems/01/intervention\_1/subtraction2.pg

$$1003 - 62 = \underline{\quad}$$

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**Problem 2. 2.** (2 pts) yunchun/problems/01/intervention\_1/multiplication2.pg

$$202 \cdot 203 = \underline{\quad}$$

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**Problem 3. 3.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_10.pg

$$15^0 = \underline{\quad}$$

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**Problem 4. 4.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_9.pg

$$2^5 = \underline{\quad}$$

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**Problem 5. 5.** (4 pts) yunchun/problems/01/intervention\_1/division3.pg

When 121 is divided by 12, the quotient is  $\underline{\quad}$  and the remainder is  $\underline{\quad}$

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**Problem 6. 6.** (4 pts) yunchun/problems/01/intervention\_1/division4.pg

When 8 is divided by 20, the quotient is  $\underline{\quad}$  and the remainder is  $\underline{\quad}$ .

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**Problem 7. 7.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_1.pg

$$3 + 15 \div 3 = \underline{\quad}$$

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**Problem 8. 8.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_2.pg

$$14 \cdot 2 - 15 = \underline{\quad}$$

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**Problem 9. 9.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_3.pg

$$24 - 9 - 9 = \underline{\quad}$$

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**Problem 10. 10.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_4.pg

$$4 \cdot 5 + (27 - 3) = \underline{\quad}$$

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**Problem 11. 11.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_5.pg

$$0 - 3 + 7 = \underline{\quad}$$

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**Problem 12. 12.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_6.pg

$$2 \cdot 3 \cdot 4 \div 3 - 2 = \underline{\quad}$$

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**Problem 13. 13.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_13.pg

$$(2 \cdot 5)^2 = \underline{\quad}$$

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**Problem 14. 14.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_7.pg

$$19 - 0 \div 5 = \underline{\quad}$$

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**Problem 15. 15.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_14.pg

$$[12 \div (8 \div 2)]^2 = \underline{\quad}$$

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**Problem 16. 16.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_8.pg

$$3 + 2 \cdot 5 - (2 + 2 \cdot 3) = \underline{\quad}$$

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**Problem 17. 17.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_16.pg

$$17 - 3(5 - 3) = \underline{\quad}$$

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**Problem 18. 18.** (2 pts) yunchun/problems/01/intervention\_3/order\_of\_operation\_15.pg

$$12 \div 3 \cdot 4 = \underline{\quad}$$

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**Problem 19. 19.** (2 pts) yunchun/problems/01/intervention\_4/multiplication\_1.pg

$$\frac{8}{9} \cdot \frac{3}{8} = \underline{\quad}$$

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**Problem 20. 20.** (2 pts) yunchun/problems/01/intervention\_4/multiplication\_2.pg

$$\frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} = \underline{\quad}$$

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**Problem 21. 21.** (2 pts) yunchun/problems/01/intervention\_4/power\_1.pg

$$\left(\frac{1}{4}\right)^4 = \underline{\quad}$$

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**Problem 22. 22.** (2 pts) yunchun/problems/01/intervention\_4/zero\_1.pg

$$\frac{2}{5} \cdot \frac{1}{2} \cdot 0 = \underline{\quad}$$

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**Problem 23. 23.** (2 pts) yunchun/problems/01/intervention\_5/multiplication\_1.pg

$$3 \cdot \frac{4}{9} = \underline{\quad}$$

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**Problem 24. 24.** (2 pts) yunchun/problems/01/intervention\_5/multiplication\_2.pg

$$\frac{15}{16} \cdot 8 = \underline{\quad}$$

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**Problem 25. 25.** (2 pts) yunchun/problems/01/intervention\_5/addition\_1.pg

$$1\frac{1}{3} + 3\frac{5}{8} = \underline{\quad}$$

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**Problem 26. 26.** (2 pts) yunchun/problems/01/intervention\_4/addition\_and\_subtraction\_1.pg

$$\frac{1}{16} + \frac{1}{24} - \frac{1}{32} = \underline{\quad}$$

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**Problem 27. 27.** (2 pts) [yunchun/problems/01/intervention\\_5/convert\\_1.pg](#)

Convert the improper fraction to a mixed number.

$$\frac{17}{5} = \underline{\hspace{2cm}}$$

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**Problem 28. 28.** (2 pts) [yunchun/problems/01/intervention\\_5/convert\\_2.pg](#)

Convert the mixed number to an improper fraction.

$$2\frac{2}{5} = \underline{\hspace{2cm}}$$

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**Problem 29. 29.** (4 pts) [yunchun/problems/01/intervention\\_5/prime\\_factorization1.pg](#)

Find the prime factorization :

$$56 = (\underline{\hspace{1cm}})^3 \times \underline{\hspace{1cm}}$$

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**Problem 30. 30.** (4 pts) [yunchun/problems/01/intervention\\_5/gcd1.pg](#)

The greatest common factor (GCF) of 30 and 40 is \_\_\_\_\_.

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**Problem 31. 31.** (4 pts) [yunchun/problems/01/intervention\\_5/lcm\\_1.pg](#)

The least common multiple (LCM) of 10 and 14 is \_\_\_\_\_.

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**Problem 32. 32.** (2 pts) [yunchun/problems/01/intervention\\_5/subtraction\\_1.pg](#)

$$3\frac{1}{4} - 1\frac{2}{5} = \underline{\hspace{2cm}}$$

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**Problem 33. 33.** (2 pts) [yunchun/problems/01/intervention\\_5/division\\_1.pg](#)

$$4\frac{3}{7} \div 1\frac{5}{8} = \underline{\hspace{2cm}}$$

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**Problem 34. 34.** (2 pts) [yunchun/problems/01/intervention\\_2/addition2.pg](#)

$$-9 + 1 = \underline{\hspace{2cm}}$$

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**Problem 35. 35.** (2 pts) [yunchun/problems/01/intervention\\_2/subtraction7.pg](#)

$$1 - 3 = \underline{\hspace{2cm}}$$

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**Problem 36. 36.** (2 pts) [yunchun/problems/01/intervention\\_2/subtraction4.pg](#)

$$-1 - (-6) = \underline{\hspace{2cm}}$$

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**Problem 37. 37.** (2 pts) [yunchun/problems/01/intervention\\_2/zero4.pg](#)

$$0 - (-6) = \underline{\hspace{2cm}}$$

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**Problem 38. 38.** (2 pts) [yunchun/problems/01/intervention\\_2/multiplication7.pg](#)

$$(-3)(-7) = \underline{\hspace{2cm}}$$

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**Problem 39. 39.** (2 pts) [yunchun/problems/01/intervention\\_2/subtraction6.pg](#)

$$1 - (-4) = \underline{\quad}$$

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**Problem 40. 40.** (2 pts) [yunchun/problems/01/intervention\\_2/fraction1.pg](#)

$$\frac{-36}{-4} = \underline{\quad}$$

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**Problem 41. 41.** (2 pts) [yunchun/problems/01/intervention\\_2/fraction3.pg](#)

$$\frac{16}{-4} = \underline{\quad}$$

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**Problem 42. 42.** (2 pts) [yunchun/problems/01/intervention\\_2/zero12.pg](#)

Divide or state that the division is undefined. (In this case, enter *undefined* .)

$$\frac{0}{-13} = \underline{\quad}$$

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**Problem 43. 43.** (4 pts) [cunyLibrary/MTH05/Homework/05-Exponents\\_and\\_Order\\_of\\_Operations/1.1-exponents.pg](#)

Evaluate each expression:

a)  $(-7)^2 = \underline{\quad}$

b)  $-7^2 = \underline{\quad}$

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**Problem 44. 44.** (2 pts) [yunchun/problems/01/intervention\\_2/addition5.pg](#)

$$(-2) + (-2) = \underline{\quad}$$