

* YOU MUST SHOW YOUR WORK! *

Name: Key

Period: _____

Score: _____ / _____ = _____ % = _____

HW 2-5

Int 1

Add/Subtract Mixed Numbers

Unit 2

Solve. Write answers in simplest form.

1. $5\frac{1}{2} + \frac{1}{4}$

$5\frac{3}{4}$ or $\frac{23}{4}$

9. $7\frac{3}{8} - 3\frac{7}{8}$

$\frac{7}{2}$ or $3\frac{1}{2}$

2. $6\frac{1}{3} + 2\frac{1}{6}$

$8\frac{1}{2}$ or $\frac{17}{2}$

10. $3\frac{1}{2} - 4\frac{2}{3}$

$-\frac{1}{6}$ or $-\frac{1}{6}$

3. $9 + 3\frac{2}{5}$

$12\frac{2}{5}$

11. $8\frac{4}{5} - 6\frac{13}{15}$

$\frac{29}{15}$ or $1\frac{14}{15}$

4. $4\frac{2}{3} - 2\frac{1}{2}$

$2\frac{1}{6}$ or $\frac{13}{6}$

12. $6 - \frac{3}{4}$

$5\frac{1}{4}$ or $\frac{21}{4}$

5. $5\frac{3}{4} - 3\frac{2}{5}$

$2\frac{7}{20}$ or $\frac{47}{20}$

13. $-2\frac{1}{5} + 4\frac{4}{5}$

$2\frac{3}{5}$ or $\frac{13}{5}$

6. $7\frac{5}{9} - 3\frac{1}{3}$

$4\frac{2}{9}$ or $\frac{38}{9}$

14. $8\frac{2}{3} + \left(-2\frac{1}{2}\right)$

$6\frac{1}{6}$ or $\frac{37}{6}$

7. $4\frac{1}{3} - 2\frac{2}{3}$

$1\frac{2}{3}$ or $\frac{5}{3}$

15. $-9\frac{1}{4} + \left(-4\frac{4}{5}\right)$

$-14\frac{1}{20}$ or $-\frac{281}{20}$

8. $5\frac{1}{5} - 1\frac{3}{5}$

$3\frac{3}{5}$ or $\frac{18}{5}$

16. $5\frac{1}{4} - 8\frac{3}{4}$

$-3\frac{1}{2}$ or $-\frac{7}{2}$

$$17. 3\frac{2}{5} - \left(-2\frac{2}{9}\right) \quad \frac{253}{45} \text{ or } 5\frac{28}{45}$$

$$21. 5 + 2\frac{3}{4} \quad 7\frac{3}{4}$$

$$18. -11\frac{1}{2} - 4\frac{1}{2} \quad -16$$

$$22. 5\frac{1}{2} + \left(-8\frac{5}{6}\right) \quad -\frac{10}{3} \text{ or } -3\frac{1}{3}$$

$$19. -3\frac{5}{6} + \left(-2\frac{3}{4}\right) \quad -\frac{79}{12} \quad -6\frac{7}{12}$$

$$23. -6\frac{4}{9} + \left(-2\frac{5}{9}\right) \quad -9$$

$$20. -5\frac{1}{6} + 6\frac{4}{9} \quad \frac{23}{18} \text{ or } 1\frac{5}{18}$$

$$24. -8\frac{1}{3} - \left(-2\frac{1}{3}\right) \quad -6$$

25. A tree is $4\frac{3}{4}$ meters tall. After 2 years it has grown $2\frac{1}{12}$ more meters. What is the total height of the tree? $\frac{41}{6}$ or $6\frac{5}{6}$ meters

26. Bailey has $5\frac{4}{9}$ feet of wire. Sue is going to use Bailey's wire for a project but needs $8\frac{1}{3}$ feet. How much wire will Sue have to get from somewhere else?

$$\frac{26}{9} \text{ or } 2\frac{8}{9} \text{ feet}$$

27. Jacob brings $5\frac{17}{34}$ pieces of pizza home from work. His roommates eat $5\frac{1}{4}$ of the pizza. How much pizza is left? $\frac{1}{4}$ of a pizza

REVIEW

$$28. -17 + -24 = -41$$

$$31. -26 - 15 = -41$$

$$33. \frac{5 + 7(4)}{-3^2 - 2} \quad -3$$

$$29. -53 + 12 = -41$$

$$32. 5(1^6 - 6 + 18 \div 3)$$

$$30. 17 - (-14) = 31$$

$$5$$