

ACT COMPASS Preparation Worksheet**Pre-algebra: Basic Operations (Decimals)**

1. $164 \times 4.73 = ?$

5. $9.37 \times 318 = ?$

9. $173 \times 6.45 = ?$

2. $655 \times 1.53 = ?$

6. $239 \times 9.91 = ?$

10. $138 \times 8.13 = ?$

3. $360 \times 1.55 = ?$

7. $7.28 \times 157 = ?$

11. $410 \times 4.16 = ?$

4. $62.2 \times 55.1 = ?$

8. $73.4 \times 80.8 = ?$

12. $78.4 \times 53.3 = ?$

13. Sandy travels 876.29 miles in a car that gets 19.86 miles to the gallon. How many gallons of gas did she need for this trip?

14. The price of gas was \$2.72 per gallon last week. Now gas costs \$3.06 per gallon. If you had to purchase 8 gallons of gas, how much money could you have saved if you made this purchase last week?

15. $7.7358 + 6.5395 = ?$

22. $9.7411 + 1.2664 =$

16. $9.3781 + 5.2847 = ?$

23. $7.8707 + 2.0478 =$

17. $3.9 \times 0.5 + 4\frac{5}{6} \div 3\frac{3}{7} = ?$

24. $5.2 + 2.1 \div (4.5 - 4\frac{1}{7}) = ?$

18. $(\frac{5}{3} \times 4\frac{5}{6}) \div 1.75 + \frac{5}{3} = ?$

25. $(0.75 \times 1\frac{4}{9}) \div (4\frac{1}{6} + 1.75) = ?$

19. $(9 + \frac{1}{6}) \div (1.7 + 2\frac{3}{4}) = ?$

26. $(\frac{3}{2})^2 - 1 + 6 = ?$

20. $0.8 \div (1.5 + \frac{2}{3})^2 = ?$

27. $\frac{2}{9} (10\frac{1}{6} - 3\frac{3}{7} - 1) = ?$

21. $2 \times (3\frac{6}{7} - 2.3) \div 5\frac{2}{9} = ?$

28. $(7 \times \frac{10}{7}) \div 1.2 + 1\frac{3}{4} = ?$