

Lessons 1.5 and 1.6 Multiplying and Dividing

Algebra 1

Write your answers on **NOTEBOOK PAPER**, not on this sheet.

Put your **NAME** at the top left corner of the notebook paper.

Work problems **DOWN** the page, not across.

Write the Lesson number on the **TOP LINE** of the paper.

Multiply the integers, without a calculator. Show work for Problems 3 - 5.

1. $(-8)(11)$
2. $(-15)(-6)$
3. $(-14)(-23)$
4. $(-3)(2)(-5)(6)$
5. $(308)(4017)$

Multiply the decimal numbers, without a calculator. Show your work.

6. $(12.3)(6.24)$
7. $(-0.004)(38.51)$
8. $(-9.0125)(-2.53)$

Divide the integers, without a calculator. Show work for problems 11 - 14.

9. $81 \div (-3)$
10. $-20 \div (-5)$
11. $448 \div (-64)$
12. $\frac{126}{9}$
13. $\frac{504}{0}$
14. $\frac{-534}{89}$

Divide the decimal numbers. Show your work.

15. $-34.6 \div 0.2$
16. $-15.75 \div (-7.5)$
17. $\frac{0.0952}{0.04}$

Change mixed number into improper fraction.

18. $4\frac{2}{3}$

19. $7\frac{1}{4}$

Multiply the fractions and mixed numbers. Show your work.

20. $\frac{3}{4} \cdot \frac{5}{6}$

21. $\frac{3}{8} \cdot \left(\frac{-7}{15}\right)$

22. $\frac{24}{25} \cdot \frac{15}{16}$

23. $-\frac{27}{8} \cdot \frac{18}{45}$

24. $1\frac{1}{8} \cdot 1\frac{1}{2}$

25. $-3\frac{1}{3} \cdot 4\frac{1}{5}$

26. $3\frac{5}{11} \cdot 2\frac{1}{8}$

Divide the fractions and mixed numbers. Show your work.

27. $\frac{4}{5} \div \frac{2}{3}$

28. $-\frac{7}{8} \div \frac{3}{4}$

29. $40 \div 3\frac{1}{3}$

30. $1\frac{1}{2} \div 1\frac{1}{8}$

31. $\frac{5}{8} \div \left(-2\frac{1}{3}\right)$

32. $-4\frac{2}{7} \div 2\frac{3}{4}$