

Multiplying & Dividing Fractions Review

L1

Find each product.

1) $\frac{5}{4} \times \frac{1}{5} \frac{1}{4}$

2) $\frac{7}{6} \times \frac{3}{7} \frac{1}{2}$

3) $\frac{9}{7} \times \frac{3}{2} \frac{27}{14} = 1 \frac{13}{14}$

4) $\frac{3}{5} \times \frac{3}{5} \frac{9}{25}$

5) $\frac{3}{10} \times \frac{2}{3} \frac{1}{5}$

6) $\frac{11}{6} \times \frac{2}{3} \frac{11}{9} = 1 \frac{2}{9}$

L2

7) $\frac{3}{7} \times -\frac{1}{3} -\frac{1}{7}$

8) $-\frac{3}{2} \times \frac{1}{10} -\frac{3}{20}$

9) $-\frac{1}{7} \times \frac{5}{9} -\frac{5}{63}$

10) $-\frac{8}{5} \times -\frac{9}{7} \frac{72}{35} = 2 \frac{2}{35}$

11) $-\frac{9}{5} \times \frac{11}{6} -\frac{33}{10} = -3 \frac{3}{10}$

12) $-\frac{4}{5} \times \frac{1}{5} -\frac{4}{25}$

L3

13) $\frac{2}{7} \times -\frac{3}{2} \times -\frac{1}{6} \frac{1}{14}$

14) $\frac{3}{2} \times -\frac{4}{3} \times \frac{3}{4} -\frac{3}{2} = -1 \frac{1}{2}$

15) $\frac{5}{4} \times -\frac{3}{2} \times \frac{9}{5} -\frac{27}{8}$

16) $-\frac{3}{2} \times -\frac{8}{5} \times \frac{13}{8} \frac{39}{10} = 3 \frac{9}{10}$

L4

17) $-3 \frac{1}{5} \times 5 \frac{1}{2} \times -2 \quad 35 \frac{1}{5}$

18) $2 \frac{1}{6} \times -2 \times \frac{1}{5} -\frac{13}{15}$

19) $-6 \times 2 \frac{4}{5} \times -3 \frac{1}{3}$

20) $-2 \frac{3}{7} \times 3 \frac{1}{2} \times 3 -25 \frac{1}{2}$

Find each quotient.

L1

$$21) \frac{1}{9} \div \frac{9}{7}$$
$$\frac{7}{81}$$

$$22) \frac{10}{9} \div \frac{11}{8}$$
$$\frac{80}{99}$$

$$23) \frac{3}{2} \div \frac{13}{10}$$
$$\frac{15}{13} = 1 \frac{2}{13}$$

$$24) \frac{7}{4} \div \frac{4}{3}$$
$$\frac{21}{16} = 1 \frac{5}{16}$$

$$25) \frac{11}{7} \div \frac{1}{2}$$
$$\frac{22}{7} = 3 \frac{1}{7}$$

$$26) \frac{7}{4} \div \frac{1}{2}$$
$$\frac{7}{2} = 3 \frac{1}{2}$$

L2

$$27) \frac{-7}{5} \div \frac{6}{7}$$
$$-\frac{49}{30} = -1 \frac{19}{30}$$

$$28) \frac{3}{2} \div \frac{-2}{3}$$
$$-\frac{9}{4} = -2 \frac{1}{4}$$

$$29) \frac{15}{8} \div \frac{-3}{2}$$
$$-\frac{5}{4} = -1 \frac{1}{4}$$

$$30) \frac{-5}{4} \div \frac{5}{6}$$
$$-\frac{3}{2} = -1 \frac{1}{2}$$

$$31) \frac{7}{5} \div \frac{-7}{5}$$
$$-1$$

$$32) \frac{-1}{3} \div \frac{10}{9}$$
$$-\frac{3}{10}$$

L3

$$33) -1 \frac{2}{3} \div 3 \frac{7}{8}$$
$$-\frac{40}{93}$$

$$34) -1 \frac{5}{8} \div 4 \frac{9}{10}$$
$$-\frac{65}{196}$$

$$35) -2 \frac{1}{2} \div 3 \frac{3}{8}$$
$$-\frac{20}{27}$$

$$36) 9 \div -9 \frac{1}{6}$$
$$-\frac{54}{55}$$

L4

$$37) -2 \div 3 \frac{1}{4}$$
$$-\frac{8}{13}$$

$$38) 3 \frac{9}{10} \div -7$$
$$-\frac{39}{70}$$

$$39) 2 \div -1 \frac{5}{7}$$
$$-1 \frac{1}{6}$$

$$40) -10 \div 4 \frac{7}{9}$$
$$-2 \frac{4}{43}$$