

Multiply the fractions and mixed numbers. Write the answer in simplest form.

1) $\frac{2}{3} \cdot \frac{5}{11}$

2) $\frac{11}{16} \cdot \frac{4}{33}$

3) $\frac{3}{5} \cdot \frac{11}{36}$

4) $\frac{9}{13} \cdot \frac{26}{27}$

5) $-27 \cdot \frac{4}{9}$

6) $\frac{5}{6} \cdot \frac{3}{4} \cdot \frac{2}{25}$

7) $4\frac{4}{5} \cdot \frac{3}{5}$

8) $\frac{4}{5} \cdot 1\frac{7}{8}$

9) $1\frac{1}{7} \cdot -\frac{7}{10}$

10) $5\frac{1}{2} \cdot -2\frac{2}{3}$

11) $2\frac{2}{5} \cdot 2\frac{3}{4}$

12) $4\frac{4}{7} \cdot 8\frac{3}{4}$

Divide the fractions and mixed numbers. Write the answer in simplest form.

13) $\frac{3}{5} \div \frac{1}{5}$

14) $\frac{7}{18} \div \frac{1}{12}$

15) $\frac{3}{8} \div -\frac{1}{4}$

16) $14 \div \frac{7}{8}$

17) $4\frac{1}{5} \div 3$

18) $3\frac{3}{7} \div -\frac{8}{9}$

19) $8\frac{1}{2} \div \frac{3}{4}$

20) $\left(\frac{5}{8} \div \frac{1}{4}\right) - \left(\frac{4}{5} \div \frac{1}{2}\right)$

21) During a heavy rain, Flood City received 5 inches of rain in $3\frac{1}{2}$ hours. About how much rain did the city get per hour?

22) Jerry can run 1 mile in $7\frac{1}{3}$ minutes. How long will it take him to run $5\frac{1}{2}$ miles if he can keep the same pace?

Answer Key

1) $\frac{10}{33}$

2) $\frac{1}{12}$

3) $\frac{11}{60}$

4) $\frac{2}{3}$

5) -12

6) $\frac{1}{20}$

7) 3

8) $1\frac{1}{2}$

9) $-\frac{4}{5}$

10) $-14\frac{2}{3}$

11) $6\frac{3}{5}$

12) 40

13) 3

14) $4\frac{2}{3}$

15) $-1\frac{1}{2}$

16) 16

17) $1\frac{2}{5}$

18) $-3\frac{6}{7}$

19) $11\frac{1}{3}$

20) $\frac{9}{10}$

21) $1\frac{3}{7}$ inches

22) $40\frac{1}{3}$ minutes