

Multiplication of fractions

Multiply the numerators	$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$
Multiply the denominators	$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$
Reduce the fraction if necessary	$\frac{6}{20} = \frac{3}{10}$

MULTIPLYING FRACTIONS			
Remember! 1. Multiply 2. Multiply 3. Simplify	Fraction multiplied by a fraction	Whole number multiplied by a fraction	Fraction multiplied by a mixed number
Step 1: Write whole number as fraction; write mixed number as improper fraction,	$\frac{2}{3} \times \frac{3}{4}$	$9 \times \frac{2}{5}$ ↓ $\frac{9}{1} \times \frac{2}{5}$	$\frac{2}{3} \times 2\frac{1}{3}$ ↓ $\frac{2}{3} \times \frac{7}{3}$
Step 2: Multiply the numerators	$\frac{2}{3} \times \frac{3}{4} = \frac{6}{12}$	$\frac{9}{1} \times \frac{2}{5} = \frac{18}{5}$	$\frac{2}{3} \times \frac{7}{3} = \frac{14}{9}$
Step 3: Multiply the denominators	$\frac{2}{3} \times \frac{3}{4} = \frac{6}{12}$	$\frac{9}{1} \times \frac{2}{5} = \frac{18}{5}$	$\frac{2}{3} \times \frac{7}{3} = \frac{14}{9}$
Step 4: Write answer in simplest terms	$\frac{6}{12} = \frac{1}{2}$	$\frac{18}{5} = 3\frac{3}{5}$	$\frac{14}{9} = 1\frac{5}{9}$

Exercise 7 - 27.04.2020 and 28.04.2020

Complete the following exercises in your book (SHOW ALL CALCULATIONS)

Multiply these fractions together. Your answer should be given in simplest form, and written as a proper fraction or mixed number (not as an improper fraction).

1) $\frac{2}{5} \times \frac{1}{3} =$ 2) $\frac{4}{7} \times \frac{3}{4} =$ 3) $\frac{3}{8} \times \frac{5}{6} =$

4) $\frac{3}{9} \times \frac{2}{3} =$ 5) $\frac{5}{6} \times 8 =$ 6) $\frac{3}{11} \times \frac{2}{3} =$

7) $\frac{6}{7} \times 5 =$ 8) $\frac{1}{6} \times \frac{8}{9} =$ 9) $\frac{3}{10} \times \frac{4}{5} =$

10) $\frac{2}{11} \times \frac{3}{8} =$ 11) $9 \times \frac{5}{7} =$ 12) $\frac{4}{3} \times \frac{3}{10} =$

13) $\frac{7}{4} \times \frac{8}{9} =$ 14) $\frac{4}{13} \times \frac{3}{5} =$ 15) $\frac{8}{11} \times 7 =$

16) $\frac{8}{3} \times \frac{4}{11} =$ 17) $13 \times \frac{3}{8} =$ 18) $\frac{5}{14} \times \frac{4}{5} =$

19) $\frac{7}{11} \times 9 =$ 20) $\frac{5}{8} \times \frac{7}{5} =$ 21) $\frac{3}{13} \times \frac{8}{7} =$

22) $\frac{6}{5} \times \frac{7}{12} =$ 23) $\frac{2}{11} \times \frac{9}{4} =$ 24) $\frac{8}{13} \times 12 =$

Exercise 8 - 29.04.2020

Complete the following exercises in your book (SHOW ALL CALCULATIONS)

Remember to convert the mixed numbers to improper fractions first.

1) $4\frac{9}{10} \times 4\frac{1}{2} =$

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

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

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

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

6) $2\frac{7}{10} \times 4\frac{3}{4} =$

7) $2\frac{1}{2} \times 4\frac{4}{5} =$

8) $4\frac{4}{5} \times 4\frac{1}{3} =$

9) $4\frac{1}{2} \times 3\frac{1}{5} =$

10) $2\frac{1}{2} \times 2\frac{1}{4} =$

Mixed Fraction Sums

Exercise 9 – 30.04.2020

Complete the following exercises in your book (SHOW ALL CALCULATIONS)

REMEMBER THE RULES FOR BODMAS

$$1) \quad 1\frac{1}{2} + 2\frac{2}{3} - 3\frac{3}{4}$$

$$2) \quad 1\frac{1}{5} + 2\frac{1}{3} \times \frac{3}{4} \text{ (BODMAS)}$$

$$3) \quad 3\frac{2}{3} \times 1\frac{3}{4} - 3\frac{1}{3} \text{ (BODMAS)}$$

$$4) \quad 1\frac{3}{5} + 2\frac{1}{3} - 1\frac{4}{15}$$

$$5) \quad 2\frac{2}{5} \times 1\frac{2}{3} \times \frac{1}{6}$$

$$6) \quad 6\frac{1}{5} + 2\frac{1}{4} - 1\frac{7}{10}$$