

Fraction Operations Notes

Monday, December 07, 2020 10:30 AM

Fraction Operations - Notes

- Follow the **Order of Operations** to solve. (BEDMAS)
Brackets first, Exponents, Multiply and divide in order from left to right, Add/Subtract in order from left to right
- Remember **Rules** to multiply, divide, add and subtract fractions
Quick recap:
 - Multiply - numerator x numerator and denominator x denominator
 - Divide - turn into multiplication by taking the reciprocal (flip) of the second fraction
 - Add and Subtract - find a common denominator

Step 1 Divide

$$2 \div \frac{1}{4} + 3 \times \frac{1}{2}$$

Step 2 Multiply

$$\frac{8}{1} + 3 \times \frac{1}{2}$$

Step 3 Add

$$\frac{8}{1} + \frac{3}{2}$$

Step 4 Simplify

$$\frac{19}{2} = 9\frac{1}{2}$$

Try it!

$$\frac{1}{3} \times (9-2) - \frac{5}{6}$$

Show work on the right hand side and insert answers as you go!

Work

$$\frac{2}{1} \div \frac{1}{4} = \frac{2}{1} \times \frac{4}{1} = \frac{8}{1}$$

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

$$\frac{8}{1} + \frac{3}{2} = \frac{16}{2} + \frac{3}{2} = \frac{19}{2}$$

Bedm
 $\div \rightarrow$
 $\times \rightarrow$
 $+$
 $-$

Answer = $1\frac{1}{2}$

Bedmas
 $\times \rightarrow$
 $\div \rightarrow$
 $+$
 $-$