

Feb. 8, 2018

Warmup

$$2\frac{1}{3} + \frac{3}{8} \times \left(1\frac{1}{4}\right)^2 - 1$$

$$= \frac{7}{3} + \frac{3}{8} \times \left(\frac{5}{4}\right)^2 - 1$$

$$= \frac{7}{3} + \frac{3}{8} \times \frac{25}{16} - 1$$

$$= \frac{7}{3} + \frac{75}{128} - 1$$

$$= \left( \frac{896}{384} + \frac{225}{384} \right) - \frac{384}{384}$$

$$= \frac{1121}{384} - \frac{384}{384}$$

$$= \boxed{\frac{737}{384}}$$

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

$$= \frac{3}{2} + \frac{3}{4} \div \frac{4}{3} + 2$$

$$= \frac{3}{2} + \frac{3}{4} \times \frac{3}{4} + 2$$

$$= \frac{3}{2} + \frac{9}{16} + 2$$

$$= \frac{24}{16} + \frac{9}{16} + \frac{32}{16}$$

$$= \frac{33}{16} + \frac{32}{16}$$

$$= \boxed{\frac{65}{16}}$$

## Tomorrow's Test

- Integers
- Fractions
- BEDMAS  
(combining all 3)

$$\frac{2}{-3} = -\frac{2}{3} = -\frac{2}{3}$$