**Learning Targets:**

I can solve **addition** problems involving rational numbers. MAS ADV MTS APP BEG

I can solve **subtraction** problems involving rational numbers. MAS ADV MTS APP BEG

Predict **(without solving)** whether the following result will be positive, negative or zero. **You must explain your answer!**

1) -1668 + 292 3) 393 $-^{-}$499

2) -8 $\frac{1}{3}$ + 8 $\frac{1}{3}$ 4) -89 – 15

***Addition and Subtraction of Rational Numbers***

5) -2 + -3 11) 8 – 7 + 4 17) $\frac{3}{4} $+ $\frac{7}{8}$

6) -5 + -5 12) -15 + -11 18) -5.5 + -1.5

7) 25 + -15 13) -21 + 40 19) $-2\frac{1}{2}$ +$ \frac{1}{8}$

8) 10 - 8 14) 2 - 10 20) 2.5 - 4.5

9) -6 - (-7) 15) -2 - (-10) 21) -$2\frac{1}{2} $- ($-\frac{1}{4}$)

10) 20 - (-12) 16) -22 - 15 22) $-\frac{2}{3}$ - $\frac{1}{4}$

**Answer the following question with *‘true’* or *‘false’* and *explain* your answer.** (You may use pictures, number lines and/or words)

23) The **sum** of a positive number and a negative number is always negative.

24) If a positive integer is subtracted from a negative integer, the **difference** is a negative integer.



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