Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_

**Learning Targets**

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

I can solve division problems involving rational numbers MAS ADV MTS APP BEG

 **Multiplication and Division of Rational Numbers**

1) $9 × 7$ 2) $3 · 20$ 3) $2.5 × 3.2$

4) $-5 × -3$ 5) $-3 × -11$ 6) $-3\frac{1}{4} · (-\frac{1}{4})$

7) $-6 · 14$ 8) $5 · (-30)$ 9) $- \frac{1}{6} × \frac{3}{4}$

10) $12 ÷ -2$ 11) $525 ÷ 10$ 12) $\frac{5}{6} $ ÷ $\frac{1}{4}$

13) $-68 ÷ (-4)$ 14) $-36 ÷ (-4)$ 15) $-5.25 ÷ (-.25)$

16) $-10 ÷ 10$ 17) $36 ÷ (-6)$ 18) $2\frac{3}{5}$ $÷$ $(- \frac{1}{4})$

19). A football team loses an average of 5 yards per play. How many yards have they lost after 3 plays? Write a number sentence to show your answer.

20). Together, siblings, Ashton, Andrew, Nora and Kora owe their parents $120. Write a number sentence to show how much each sibling owes if each sibling shares the debt equally. (Be sure to use negative numbers where appropriate.)

**For Exercises 21-24, find the value.**

**21.** $8 – 12$ **22.** $16 – (-9)$

**23.** $– 2.5 – (- 7.5)$ **24**. $-9 + 25$