Part I: Integers (no decimals or fractions)

rart 1: Integers (no decimals or tractions)	
1. What is $ 8 + -5 $? (Absolute value)	2. The Bulldogs lost 7 yards on their first play and lost another 4 yards on their next play. What was their net result in yards after these two plays?
3. Desi started the day with a score of 15 points. He lost 49 points, gained 3 points, and then lost 11 points. What was his final score?	4. A shoreline is changing -5 centimeters each year due to erosion. What is the change in the shoreline after 5 years?
5. The temperature on Mars may reach a high of 90°F at the equator in the summer. It may reach a low of -125°F at the poles. Which expression gives the difference between those temperatures?	6. What is the value of $(-4)(-2)(-2)$?
7. Simplify.	8. Simplify.
(12) (-8)	-35 + (-35)
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Part II; Decimals to Fractions, Fractions to Decimals

9. Write 0.65 as a fraction in lowest terms.	10. Which decimal is equivalent to $-\frac{5}{8}$?

Part III: Decimal Operations

11. Simplify.	12. A rope that measures 2.48 meters is cut into two
-7.82 + 13.29	pieces. If one piece measures 1.17 meters, what is
•	the length of the other piece?

14. Divide.
$$-6.126 \div 0.09$$

Part IV: Fraction Operations

Part IV: Fraction Operations

15. Simplify
$$-\frac{4}{7} + \frac{1}{2}$$

16. Simplify. $-\frac{5}{3} - \frac{4}{9}$

17. Simplify. $\frac{1}{7} + \left(-5\frac{2}{7}\right)$

18. Simplify.
$$\left(-\frac{4}{5}\right)\left(\frac{1}{2}\right)$$

19. Simplify
$$-\frac{1}{6} \div \left(-\frac{4}{3}\right)$$

20. Simplify.
$$\left(-\frac{4}{5}\right)\left(-\frac{5}{4}\right)$$

Part I: Integers (no decimals or fractions)

1. What is | 8 | + | -5 | ? (Absolute value)

8 + 5

note: 181=8 1-51 = 5

3. Desi started the day with a score of 15 points. He lost 49 points, gained 3 points, and then lost 11 points. What was his final score?

+15-49 +3-11 -31+-11 -34+3-11 -42 min

2. The Bulldogs lost 7 yards on their first play and lost another 4 yards on their next play. What was their net result in yards after these two plays?

Keep Add and sign.

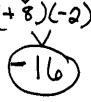
4. A shoreline is changing -5 centimeters each year due to erosion. What is the change in the shoreline after 5 years? multiplication

(-5)(5) = |-25 cm|

5. The temperature on Mars may reach a high of 90°F at the equator in the summer. It may reach a low of -125°F at the poles. Which expression gives the difference between those temperatures?

90 - (-125)

6. What is the value of (-4)(-2)(-2)?



7. Simplify.

8. Simplify.

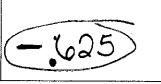
-35 + (-35) Same Sign: add and Keep ne sign.

Part II; Decimals to Fractions, Fractions to Decimals

9. Write 0.65 as a fraction in lowest terms.



10. Which decimal is equivalent to $-\frac{5}{8}$?





Part III: Decimal Operations

- 11. Simplify.

 -7.82 + 13.29 Different

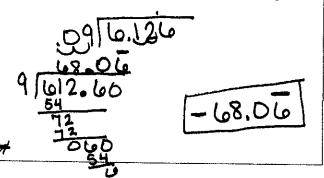
 13.29 Signs:

 -7.82

 -7.82
 - 5.47
- 12. A rope that measures 2.48 meters is cut into two pieces. If one piece measures 1.17 meters, what is the length of the other piece?

13. Jesse earns \$6.74 per hour. Last week he worked a 31 hours. How much did he earn?

20894 \$208.94 14. Divide. $-6.126 \div 0.09$ (neg)



Part IV: Fraction Operations

- 15. Simplify $-\frac{4}{7} + \frac{1}{2}$ $-\frac{4}{7} = -\frac{8}{14}$ $\frac{1}{3} = \frac{7}{14}$ $-\frac{8}{14} + \frac{7}{14} = \boxed{14}$
- 16. Simplify. $-\frac{5}{3} \frac{4}{9}$ $-\frac{5}{3} + \frac{4}{9}$ $-\frac{5}{3} + \frac{4}{9} + \frac{15}{9} + \frac{15}{9} + \frac{15}{9} + \frac{15}{9} + \frac{19}{9}$
- 17. Simplify. $1\frac{1}{7} + \left(-5\frac{2}{7}\right)$ $\frac{8}{7} + \frac{37}{7}$ $\frac{8+-37}{7} = -\frac{29}{7}$

18. Simplify.

$$\left(-\frac{4}{5}\right)\left(\frac{1}{2}\right) =$$

$$-\frac{4}{10} = \begin{bmatrix} -\frac{2}{5} \end{bmatrix}$$

19. Simplify

$$-\frac{1}{6} \div \left(-\frac{4}{3}\right)$$

$$-\frac{1}{6} \cdot \left(-\frac{3}{4}\right)$$

$$-\frac{1}{6} \cdot \left(-\frac{3}{4}\right)$$

$$\frac{3}{34} - \left(\frac{1}{8}\right)$$

20. Simplify. $(-x^{-3})^{2} + (-\frac{4}{5})(-\frac{5}{4}) + \frac{20}{20} = \boxed{1}$