Core Skills #1: Convert between mixed numbers, decimals and improper fractions.

1. Write $-\frac{19}{4}$ as a decimal. Ans)_____	2. Write 8.6 as a **mixed fraction** in the simplest form. Ans)_____

3. Identify and circle the rational numbers.

$$\sqrt{25} \qquad -2.\overline{23} \qquad \pi \qquad \sqrt{-16} \qquad 3\frac{4}{5} \qquad 9.342\ldots \qquad \frac{3}{0} \qquad -0.25 \qquad \sqrt{-(2-6)} \qquad -\frac{8}{3}$$

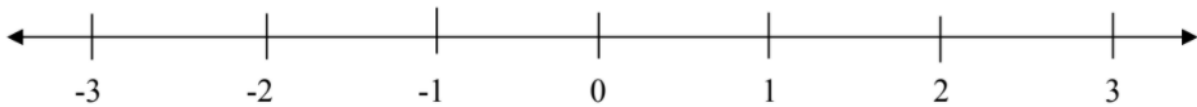|	
4. Use either $<$ or $>$ to write a true statement a) $-\frac{4}{5}$ _____ $-\frac{5}{6}$ b) $2.28\overline{6}$ _____ $2.\overline{286}$	5. Write a fraction between $3\frac{2}{3}$ and $2\frac{3}{4}$

6. Recite from our lessons or using your own word, describe what is a rational number.

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_____

7. Order the number from least to greatest by placing them in their approximate locations on the number line

$$-\frac{7}{3}, \quad 2.5, \quad \frac{16}{9}, \quad -0.45, \quad \frac{1}{3}, \quad -2.3$$

Core Skills #2: Add and Subtract rational numbers.

8. Calculate $1.45 + (-3.32)$ Ans)_____	10. Calculate $-4.4 + (7.2)$ Ans)_____
9. Calculate $-3.2 - 10.4$ Ans)_____	11. Calculate $-23.5 - (-2.35)$ Ans)_____

12. Calculate $\frac{1}{10} - (-\frac{2}{5})$ Ans)_____	13. Calculate $-\frac{1}{4} + (-2\frac{1}{3})$ Ans)_____

14. Calculate $1.8 - \left(-1\frac{2}{5}\right) + (-3.2)$, leave your answer in improper or mixed fraction from

Ans)_____

Core Skills #3: Ordering and comparing rational numbers.

15. Identify and circle the smaller value in each pair
 	
    c) $\frac{7}{8}$, $\frac{8}{9}$
 	
    d) $-\frac{3}{4}$, -0.7
	16. Write a fraction between $\frac{6}{5}$ and $\frac{2}{3}$
	
	Ans)_____

17. Arrange the number from smallest to largest

$$-\frac{3}{4}, \qquad 1.7, \qquad -0.6, \qquad 1\frac{1}{2}, \qquad -0.\overline{6}$$

Ans)_____

18. Find the missing number in the equation. Show your work.

$$-1\frac{1}{2} - \boxed{} = \frac{5}{6}$$

Ans)_____

Core Skills #4: Multiply and Dividing rational numbers.

19. Calculate $\dfrac{6}{21} \times \dfrac{3}{2}$ Ans)_____ 20. Calculate $-1\frac{1}{8} \times 2\frac{2}{3}$ Ans)_____	21. Calculate $\dfrac{20}{27} \div \dfrac{5}{9}$ Ans)_____ 22. Calculate $\dfrac{6}{20} \div (3.2)$ Ans)_____

23. As a fundraiser, the student council ordered 130 birthday cards, with a picture of the school's logo. The cards cost the student council $1.45 each. They sold 126 cards for $2.00 each. How much profit did the student council make on their birthday card sale?

Ans)_____

Core Skills #5: Mixed fractions and decimals operations.

24. Calculate $\left(\frac{6}{7} - \frac{1}{2}\right) \times \frac{14}{25}$ Ans)_____	25. Calculate $\frac{4}{9} + \frac{1}{6} \times \left(-\frac{2}{3}\right)$ Ans)_____

26. Calculate $\left(\frac{1}{7} + \frac{1}{3}\right) \div \left(\frac{1}{3} - \frac{1}{7}\right) + 1\frac{1}{4}$

Ans)_____