

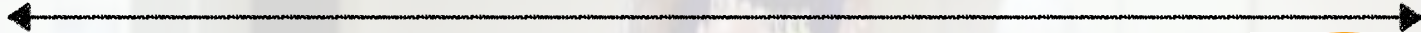
N3CS19

Practice Set 21

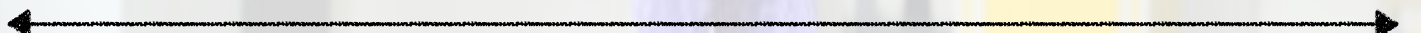
Instructions: Answer each question on loose leaf, quad-ruled (graph paper), headed properly and written in lead-graphite. Remember to fold paper along the center, work exercises in order top to bottom, left column then right column. Staple multiple pages



1. Write the repeating decimal as a fraction: $0.6\bar{3}$
2. Solve the equation $-\frac{3}{8}n = 18$
3. Is this statement correct? If it is or isn't explain why: $(4.6 \times 10^5) - (2.1 \times 10^4) = 250,000$
4. A square has an area of 48cm^2 ; determine the length of each side.
5. Simplify the expression: $\frac{(2x^2y^4)^3}{8x^5y^{12}}$
6. Determine if the expression is between 7 and 9 on a number line: $2\sqrt{18}$; justify with evidence.
7. Is 2×10^{15} five times larger than 2×10^3 ? Justify your argument with evidence.
8. The volume of a cube is 343mm^3 ; Determine it's surface area.



9. Write the repeating decimal as a fraction: $0.8\bar{7}$
10. Solve the equation $1\frac{1}{2}a = -9$
11. Is this statement correct? If it is or isn't explain why:
 $(8.8 \times 10^8) - (6.2 \times 10^7) = 818,000,000$
12. A square has an area of 13cm^2 ; determine the length of each side.
13. Simplify the expression: $\frac{(3x^4y^3)^2}{18x^8y^5}$
14. Determine if the expression is between 7 and 9 on a number line: $2\sqrt{32} - 6$; justify with evidence.
15. Is 4×10^6 five times larger than 8×10^5 ? Justify your argument with evidence.
16. The volume of a cube is 216in^3 ; determine the perimeter of one face of the cube.



17. Write the repeating decimal as a fraction: $-1.6\bar{8}$
18. Solve the equation: $3\frac{1}{4}g = -0.75$
19. Is this statement correct? If it is or isn't explain why:
 $(7.3 \times 10^6) - (4.2 \times 10^5) = 6,880,000$
20. A square has an area of 128cm^2 ; determine the length of each side.
21. Simplify the expression: $\frac{(2^2x^4y^3)^4}{256x^{16}y^{12}} - 1$
22. Determine if the expression is between 7 and 9 on a number line: $3\sqrt{50} - 12$; justify with evidence.
23. Is 2×10^{14} five times larger than 4×10^{13} ? Justify with evidence.
24. The area of a face of a cube is 196m^2 ; determine the cube's volume.



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