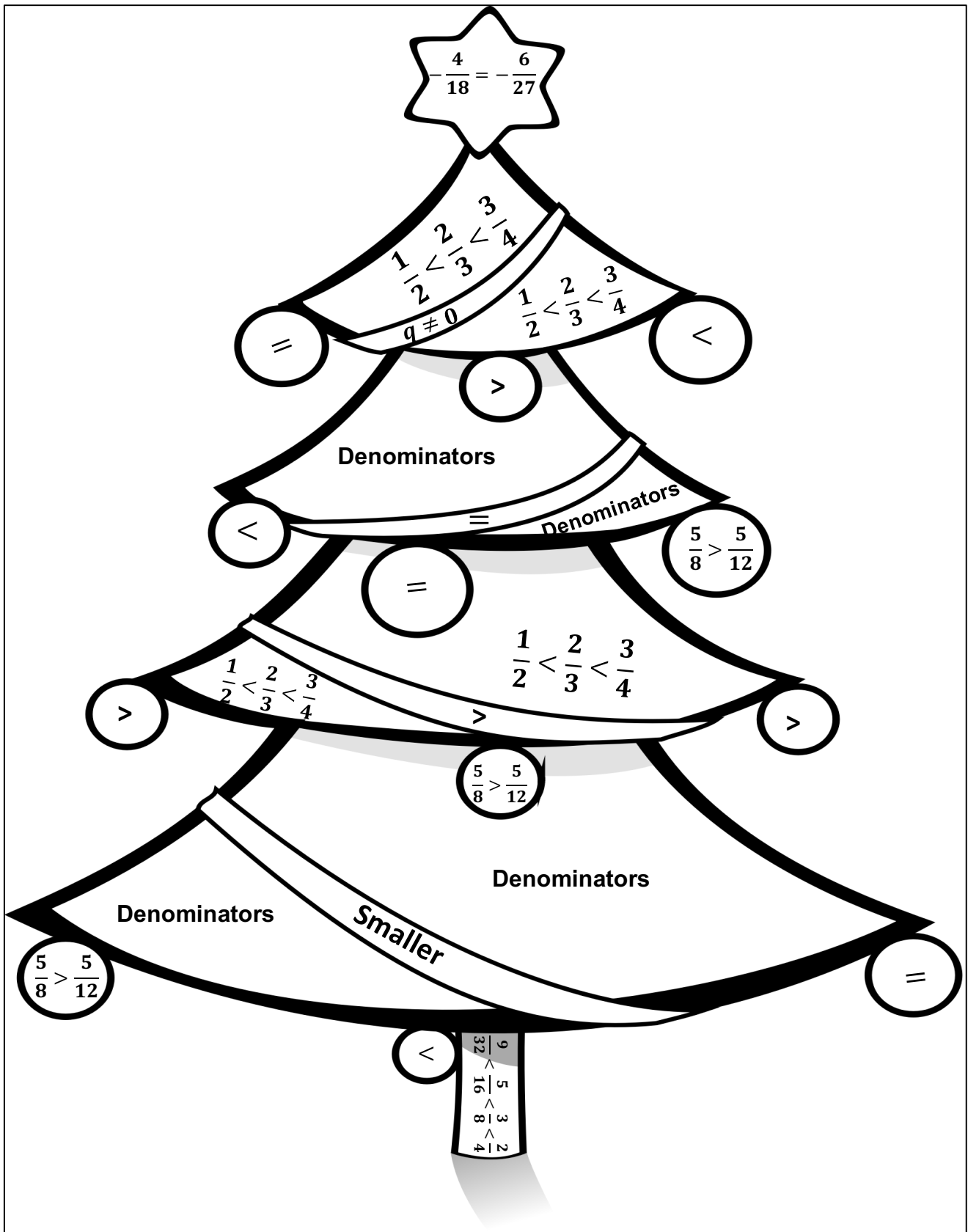


COLOR BY CODES – COMPARING AND ORDERING RATIONAL NUMBERS



Answer the questions then find your answer on the tree and color according to your answers.

1. To compare rational numbers having different numerators and denominators, we make the _____ of both fractions same. **(GREEN)**
2. The comparison of numbers $\frac{5}{8}$ and $\frac{5}{12}$ is _____. **(PINK)**
3. The comparison of numbers $-\frac{4}{18}$ and $-\frac{6}{27}$ is _____. **(YELLOW)**
4. A rational number $\frac{p}{q}$ is a valid fraction if _____. **(GRAY)**
5. Fill in the blank with appropriate inequality sign in $-\frac{4}{5}$ _____ $-\frac{7}{8}$. **(PURPLE)**
6. Fill in the blank with appropriate inequality sign in $\frac{3}{5}$ _____ $\frac{7}{10}$. **(BLUE)**
7. Ordering the fractions $\frac{2}{3}, \frac{3}{4}, \frac{1}{2}$ results in _____. **(LIGHT GREEN)**
8. Ordering the fractions $\frac{2}{4}, \frac{3}{8}, \frac{5}{16}, \frac{9}{32}$ results in _____. **(BROWN)**
9. Fill in the blank with appropriate inequality sign in $-\frac{6}{12}$ _____ $-\frac{3}{6}$. **(BLACK)**
10. The fraction having smaller numerator is _____. **(ORANGE)**



Answers:

1. Denominators

2. $\frac{5}{8} > \frac{5}{12}$

3. $-\frac{4}{18} = -\frac{6}{27}$

4. $q \neq 0$

5. $>$

6. $<$

7. $\frac{1}{2} < \frac{2}{3} < \frac{3}{4}$

8. $\frac{9}{32} < \frac{5}{16} < \frac{3}{8} < \frac{2}{4}$

9. $=$

10. Smaller