

Day 1 Extension

Ordering Fractions

Age 11 to 14 Short
Challenge Level ★

List the following fractions in increasing order:

$$\frac{11}{6} \quad \frac{5}{3} \quad \frac{7}{4} \quad \frac{9}{5} \quad \frac{3}{2}$$

Day 1 Extension Solution

Answer: $\frac{3}{2}$ $\frac{5}{3}$ $\frac{7}{4}$ $\frac{9}{5}$ $\frac{11}{6}$

$$\frac{11}{6} = 1 \frac{5}{6} \text{ is } \frac{1}{6} \text{ below } 2$$

$$\frac{5}{3} = 1 \frac{2}{3} \text{ is } \frac{1}{3} \text{ below } 2$$

$$\frac{7}{4} \text{ is } \frac{1}{4} \text{ below } 2$$

$$\frac{9}{5} \text{ is } \frac{1}{5} \text{ below } 2$$

$$\frac{3}{2} \text{ is } \frac{1}{2} \text{ below } 2$$

$$\therefore \frac{3}{2} < \frac{5}{3} < \frac{7}{4} < \frac{9}{5} < \frac{11}{6}$$