## Activity 18 Assessment

 Applying the Order of Operations| Applying Order of Operatio | with Fractions and Mixed | mbers |  |
| :---: | :---: | :---: | :---: |
| Applies the order of operations with proper fractions $\frac{5}{6}+\frac{2}{3} \times \frac{1}{4}$ <br> I multiplied first. $\begin{aligned} \frac{2}{3} \times \frac{1}{4} & =\frac{2}{12} \\ & =\frac{1}{6} \end{aligned}$ <br> Then, added. $\begin{aligned} \frac{5}{6}+\frac{1}{6} & =\frac{6}{6} \\ & =1 \end{aligned}$ | Applies the order of operations with mixed numbers $2 \frac{1}{5} \div \frac{4}{5}-1 \frac{1}{3}$ <br> I divided first. $\begin{aligned} 2 \frac{1}{5} \div \frac{4}{5} & =\frac{11}{5} \div \frac{4}{5} \\ & =\frac{11}{4} \end{aligned}$ <br> Then, I subtracted. $\begin{aligned} \frac{11}{4}-1 \frac{1}{3} & =\frac{11}{4}-\frac{4}{3} \\ & =\frac{33}{12}-\frac{16}{12} \\ & =\frac{17}{12} \\ & =1 \frac{5}{12} \end{aligned}$ | Applies the order of operations with fractions and mixed number, including brackets $3 \frac{1}{2} \times\left(\frac{3}{8}+2 \frac{3}{8}\right)$ <br> I did the addition in the brackets first. $\begin{aligned} \frac{3}{8} \div 2 \frac{3}{4} & =\frac{3}{2}+\frac{11}{1} \\ & =\frac{3}{8}+\frac{22}{8} \\ & =\frac{25}{8} \end{aligned}$ <br> Then, I multiplied. $\begin{aligned} 3 \frac{1}{2} \times \frac{11}{8} & =\frac{7}{2} \times \frac{25}{8} \\ & =\frac{175}{16} \\ & =10 \frac{15}{16} \end{aligned}$ | Solves a problem involving the order of operations with fractions and mixed numbers <br> In one week, a person exercised $1 \frac{5}{6} \mathrm{~h}$ two days, $\frac{11}{12} \mathrm{~h}$ three days, and $2 \frac{3}{4} \mathrm{~h}$ one day. How many hours did the person exercise that week? <br> I wrote an expression for this situation. $2 \times 1 \frac{5}{6}+3 \times \frac{11}{12}+2 \frac{3}{4}$ <br> I did the multiplication first. $\begin{aligned} & 2 \times 1 \frac{5}{6}=2 \times \frac{11}{6}=\frac{11}{3} \\ & 3 \times \frac{11}{12}=\frac{33}{12} \end{aligned}$ <br> Then, added. $\begin{aligned} \frac{11}{3}+\frac{33}{12}+2 \frac{3}{4} & =3 \frac{2}{3}+2 \frac{3}{4}+2 \frac{3}{4} \\ & =7+\frac{2}{3}+\frac{6}{4} \\ & =7+\frac{8}{12}+\frac{8}{12} \\ & =7+\frac{26}{12} \\ & =7+2 \frac{2}{12} \\ & =9 \frac{1}{6} \end{aligned}$ |

## Activity 18 Assessment

Applying the Order of Operations


