

Comparing and Ordering Fractions

In Focus

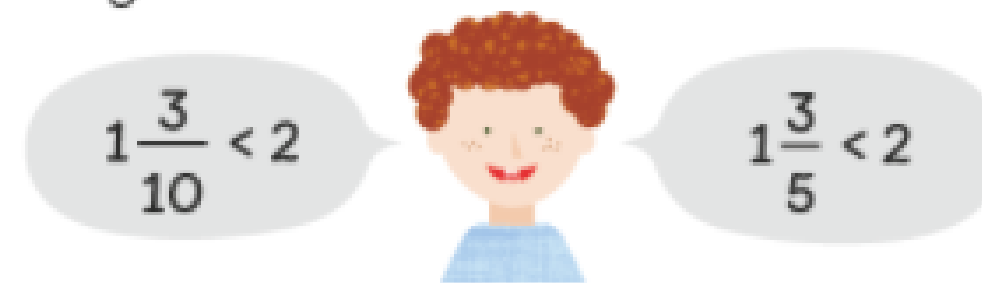
The amount of water in each bottle is different.

Which bottle has the least water?

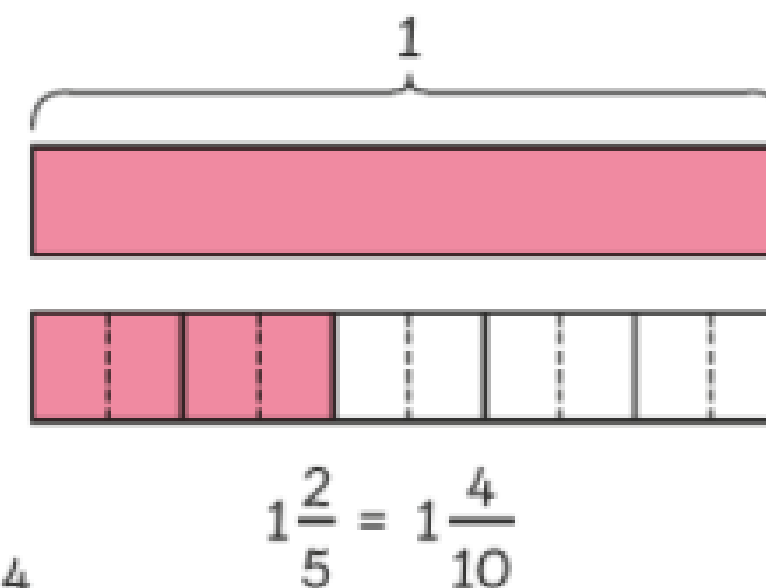
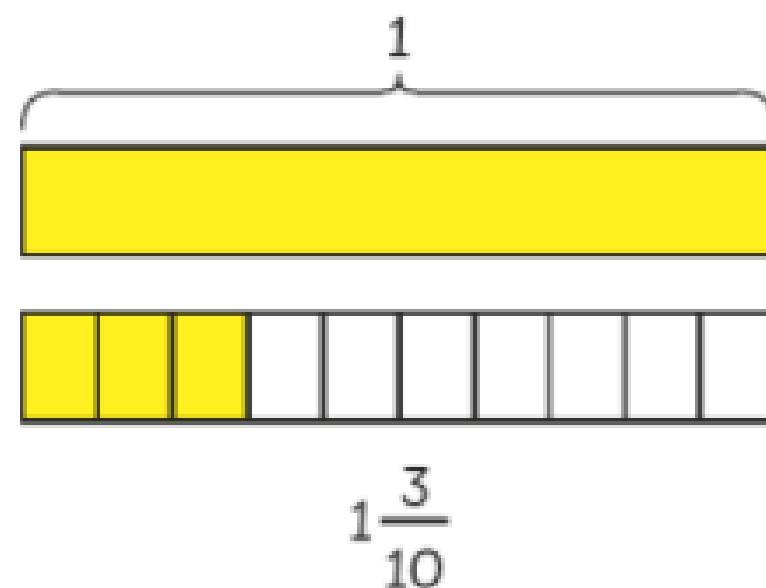


Let's Learn

- 1 $1\frac{3}{10}$ and $1\frac{2}{5}$ are both less than $2\frac{1}{5}$.



- 2 Compare $1\frac{3}{10}$ and $1\frac{2}{5}$.



$$1\frac{3}{10} < 1\frac{4}{10}$$

$$1\frac{2}{5} = 1\frac{4}{10}$$



has the least water.

3

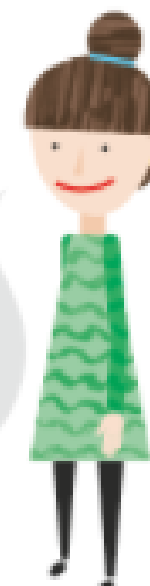
Arrange $3\frac{1}{7}$, $2\frac{2}{3}$ and $2\frac{7}{9}$ from the greatest to the smallest.

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

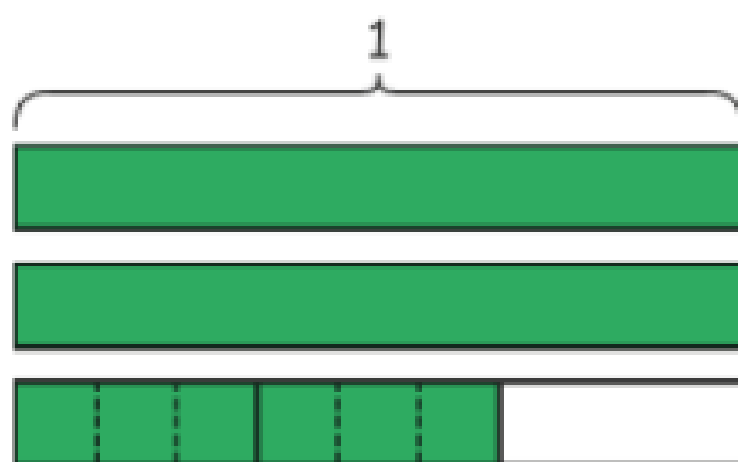
$$2\frac{7}{9} < 3\frac{1}{7}$$



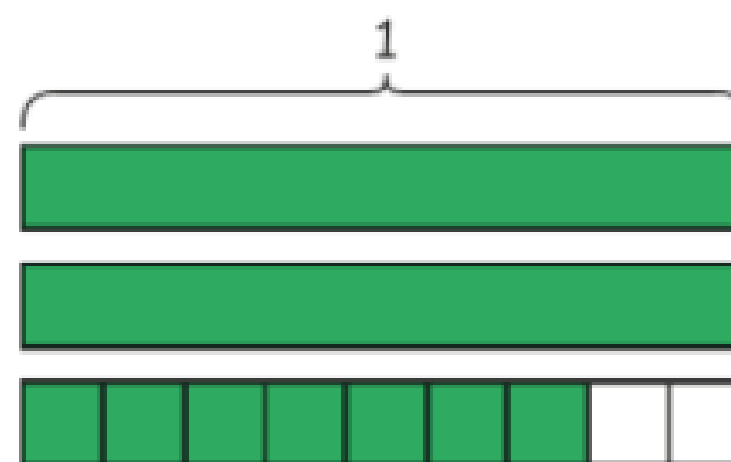
$3\frac{1}{7}$ is the greatest.



Both $2\frac{2}{3}$ and $2\frac{7}{9}$ are less than 3.



$$2\frac{2}{3} = 2\frac{6}{9}$$



$$2\frac{7}{9}$$

$$2\frac{6}{9} < 2\frac{7}{9}$$

$$\text{So, } 2\frac{2}{3} < 2\frac{7}{9}.$$

$$3\frac{1}{7}, 2\frac{7}{9}, 2\frac{2}{3}$$

greatest \longrightarrow smallest

Guided Practice

1 Which is greater?

$$3\frac{1}{12} \text{ or } 3\frac{1}{3} ?$$

Which is greater

$$\frac{1}{12} \text{ or } \frac{1}{3} ?$$



2 Which is smaller?

$$\frac{7}{4} \text{ or } 1\frac{7}{12} ?$$

3 Arrange the numbers from the smallest to the greatest.

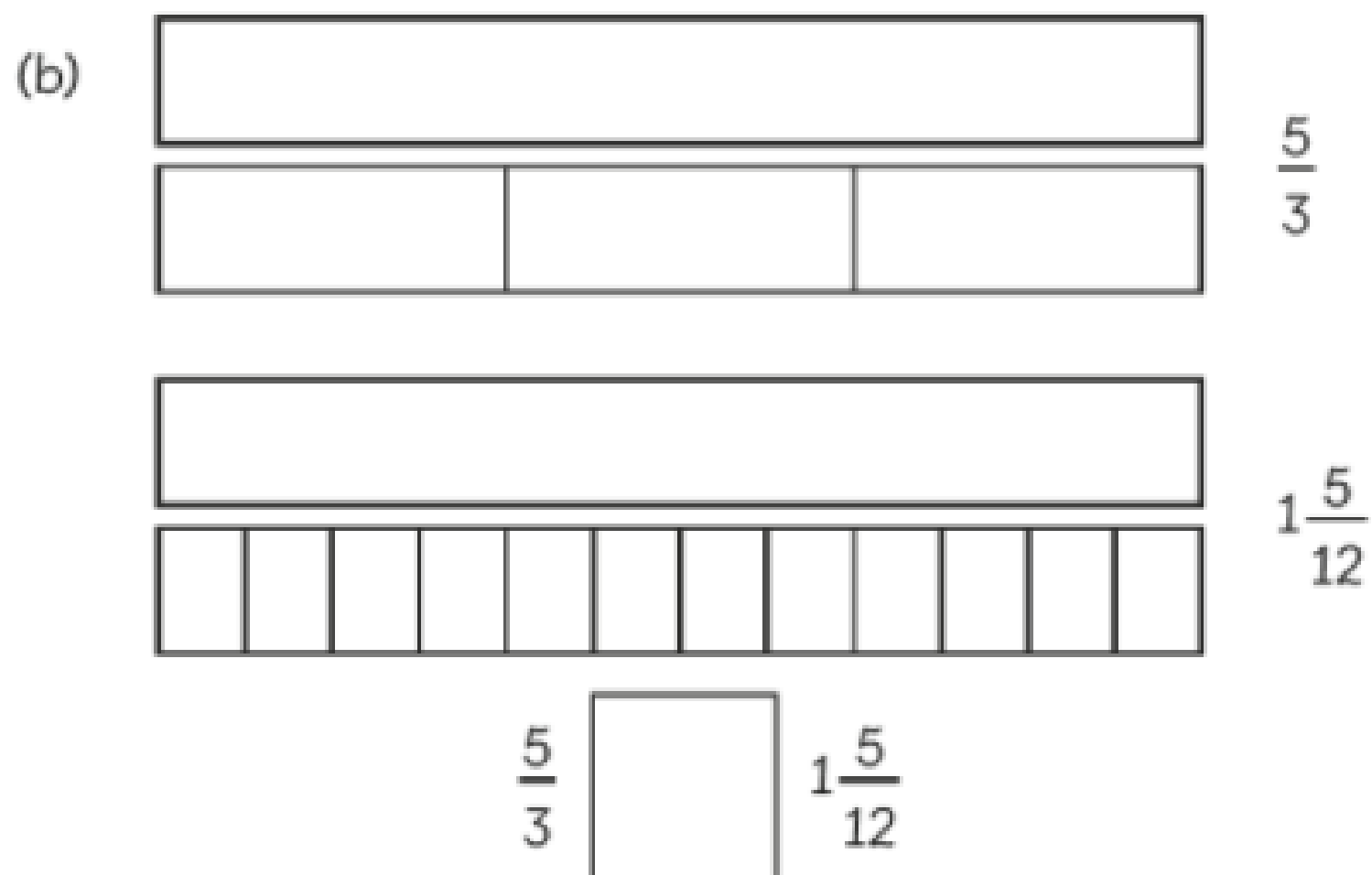
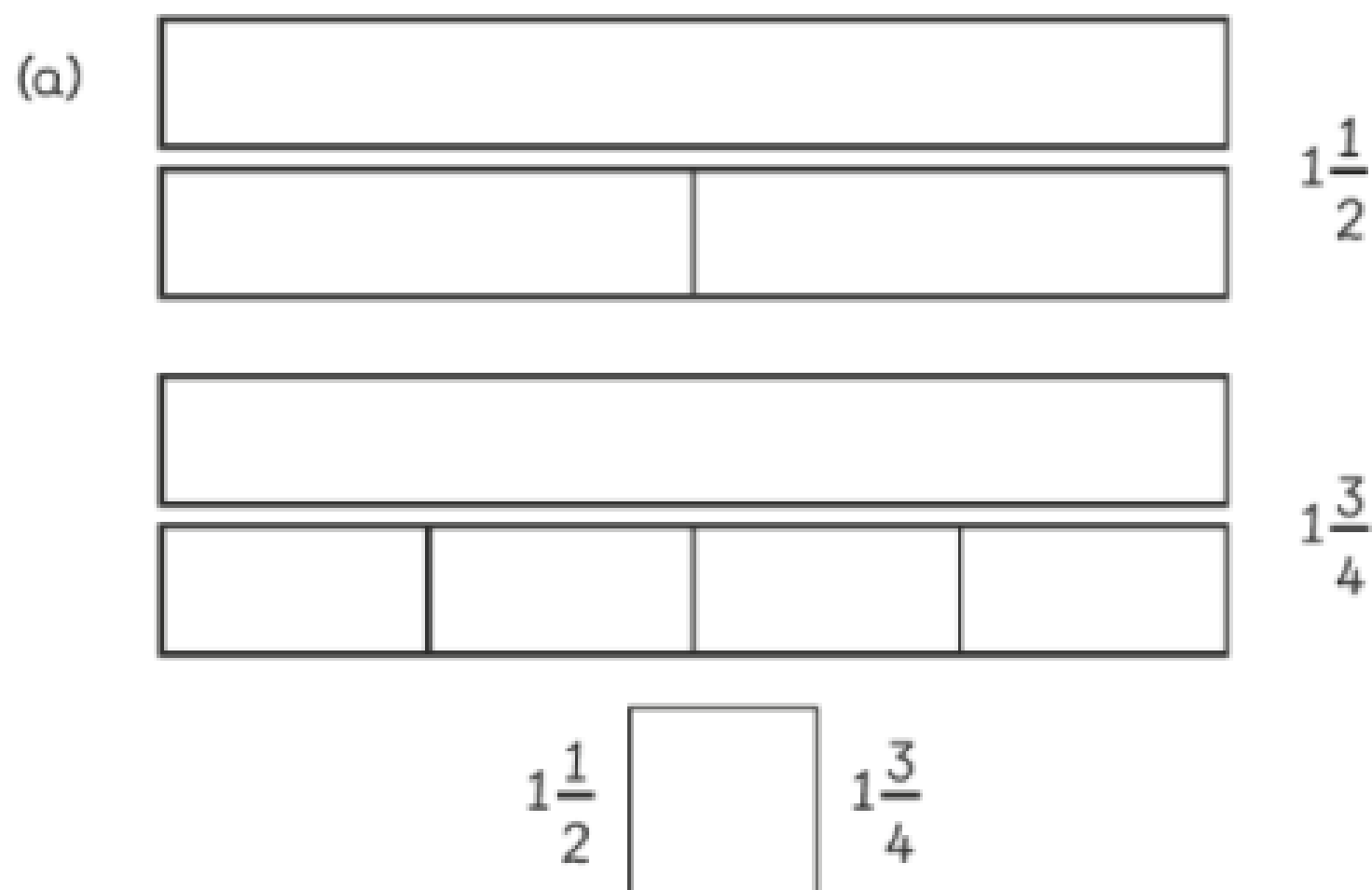
$$3\frac{8}{9}, 5\frac{1}{9}, 3\frac{2}{3}$$

4 Arrange the numbers from the greatest to the smallest.

$$\frac{17}{10}, \frac{13}{5}, 1\frac{3}{5}$$

Comparing and Ordering Fractions

1 Shade to show the fraction, then fill in the blank with $<$ or $>$.



2 Fill in the blanks with < or >.

(a) $1\frac{5}{6}$ $1\frac{1}{2}$

(b) $1\frac{3}{8}$ $1\frac{1}{3}$

(c) $1\frac{3}{10}$ $\frac{11}{5}$

(d) $\frac{5}{4}$ $2\frac{2}{3}$

3 Arrange the fractions in ascending order.

(a) $2\frac{4}{7}$, $4\frac{1}{7}$, $2\frac{13}{14}$

(b) $\frac{10}{3}$, $1\frac{2}{3}$, $\frac{13}{6}$

4 Arrange the fractions in descending order.

(a) $2\frac{4}{5}$, $\frac{15}{2}$, $1\frac{6}{7}$

(b) $\frac{23}{12}$, $\frac{17}{2}$, $3\frac{1}{2}$

