

Interpreting Remainders

Sample pictures and number models are given.

- ① Mrs. Patel brought a box of 124 strawberries to the party. She wants to divide the strawberries evenly among 8 people. How many strawberries will each person get?



Number model with unknown:

$$124 \div 8 = s$$

Answer:

$$15\frac{4}{8}, \text{ or } 15\frac{1}{2} \text{ strawberries}$$

Number model with answer:

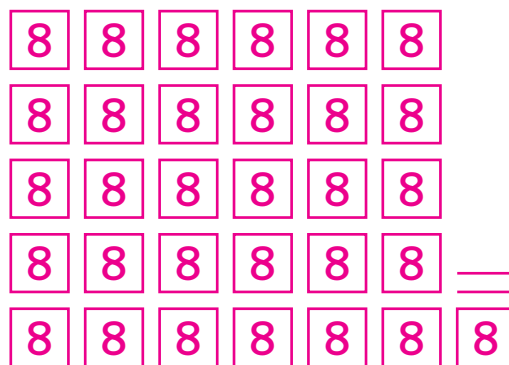
$$124 \div 8 \rightarrow 15 \text{ R}4$$

What did you do about the remainder?
Circle the answer.

- A. Ignored it
 B. Reported it as a fraction
 C. Rounded the answer up

Why? Sample answer:
You can cut the remaining
strawberries into halves.

- ② Mr. Chew has a box of 250 pens. He asks Maurice to divide the pens into groups of 8. How many groups can Maurice make?



Number model with unknown:

$$250 \div 8 = g$$

Answer:

$$31 \text{ groups}$$

Number model with answer:

$$250 \div 8 \rightarrow 31 \text{ R}2$$

What did you do about the remainder?
Circle the answer.

- A. Ignored it
 B. Reported it as a fraction
 C. Rounded the answer up

Why? Sample answer: There
aren't enough remaining pens
to form another group of 8.

Practice

Order the fractions from smallest to largest.

③ $\frac{3}{6}, \frac{3}{3}, \frac{3}{5}, \frac{3}{8}, \frac{3}{8}, \frac{3}{6}, \frac{3}{5}, \frac{3}{3}$

⑤ $\frac{2}{3}, \frac{1}{2}, \frac{6}{8}, \frac{99}{100}, \frac{1}{2}, \frac{2}{3}, \frac{6}{8}, \frac{99}{100}$

④ $\frac{1}{4}, \frac{1}{8}, \frac{1}{2}, \frac{1}{5}, \frac{1}{8}, \frac{1}{5}, \frac{1}{4}, \frac{1}{2}$

⑥ $\frac{4}{5}, \frac{81}{100}, \frac{4}{6}, \frac{2}{10}, \frac{2}{10}, \frac{4}{6}, \frac{4}{5}, \frac{81}{100}$