Interpreting Remainders

For each number story:

- Draw a picture.
- Write a number model with a letter for the unknown.
- Use a division algorithm to solve the problem.
- Decide what to do about the remainder.
- Record the answer and write a number model with answer.

SRB
47, 113–116

1 Jackson is buying balloons for a party. Balloons cost $6 per bunch. How many bunches can he buy with $75?

Picture:

Number model with unknown:

_____

Answer: _____ bunches

Number model with answer:

_____

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? _____

_____

_____

2 Rosa is buying boxes to hold all 128 of her DVDs. Each box holds 5 DVDs. How many boxes are needed to store all of her DVDs?

Picture:

Number model with unknown:

_____

Answer: _____ boxes

Number model with answer:

_____

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? _____

_____

_____

3 Lateefah won 188 granola bars in a raffle. She decided to share them equally with 7 of her classmates and herself. How many granola bars did each person receive?

Picture:

Number model with unknown:

_____

Answer: _____ granola bars

Number model with answer:

_____

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? _____

_____

_____

4 **a.** The cafeteria manager wants to put milk cartons into crates that hold 8 cartons of milk each. She has 71 cartons of milk.

How many crates will she need? _____

b. Rylee solved this problem and said the cafeteria manager needed 8 crates. Is this correct? Explain your thinking.

_____

_____

_____

Solve each division problem using the partial-quotients algorithm. Then rewrite the remainder as a fraction.

5 $2\overline{)27}$ _____

6 $4\overline{)47}$ _____