

Name \_\_\_\_\_

### Problem Solving

Each problem should be solved using the RICE, with the illustrations using the bar model to show the work.

1. Together, Ethan and Cade collected 175 books. They delivered  $\frac{1}{5}$  of the books to a preschool and  $\frac{2}{5}$  of the books to a camp. The rest were divided equally between two libraries. How many books did each library get?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

2. One third of the fish in Ellie's tank were added today. Half of the other fish were a gift to her last week. The other 9 came from her old fish tank. How many fish are in the tank?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

3. Danyale scored 36 baskets in a week. She scored half the baskets on the weekend. She scored  $\frac{1}{4}$  of them on Tuesday and  $\frac{1}{12}$  of them on Wednesday. The rest were scored on Thursday. How many baskets did Danyale score on Thursday?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

4. Out of the 60 campers,  $\frac{1}{5}$  are sailing,  $\frac{2}{5}$  are canoeing and  $\frac{1}{5}$  are at the archery range. The remaining campers were at the lodge. Of the campers at the lodge,  $\frac{2}{3}$  of them are girls. How many of the campers at the lodge are girls?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

5. Kameron ate  $\frac{2}{5}$  of the pizza and Sam ate  $\frac{1}{5}$  of it. If there were 15 pieces total, how many pieces did each of the boys eat?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

6. There are 48 girls in the fifth grade at Maple School. The other half of the fifth graders are boys. One-third of the boys wear glasses, and  $\frac{1}{4}$  of the girls wear glasses. How many fifth graders wear glasses?

R – (Retell)

I – (Illustration)

C – (Calculate)

E – (Explain)

I know my answer is correct because

RICE and the boxes are not drawn for you below. Be sure to continue to use them as you solve the last two problems.

7. Ericha and Aujhanae baked 500 bacon maple donuts. They sold  $\frac{3}{4}$  of them. Of the remaining donuts, they gave  $\frac{2}{5}$  of them to a charity fundraiser. How many donuts did they have left to eat?

8. If \$3,600 is  $\frac{3}{5}$  of a number, what is  $\frac{2}{3}$  of that number?