

## PARCC Assessment Item Illustrating 7.EE.B.3

© ITEM RETRIEVED WITH PERMISSION FROM THE PARCC GRADE 7 SPRING OPERATIONAL 2016 ITEM SET. AVAILABLE FROM [HTTPS://PRC.PARCCONLINE.ORG/ASSESSMENTS/PARCC-RELEASED-ITEMS](https://prc.parcconline.org/assessments/parcc-released-items); ACCESSED JANUARY 2017. PLEASE REFER TO THE PARCC TERMS OF USE ([HTTPS://PRC.PARCCONLINE.ORG/CONTENT/TERMS-USE](https://prc.parcconline.org/content/terms-use)) OR CONTACT PARCC DIRECTLY FOR ADDITIONAL INFORMATION REGARDING THE USE OF THIS ITEM

A store pays two fees when a customer uses a credit card to make a purchase. These fees include

- a flat fee of \$0.15 and
- a processing fee equal to 1.75% of the dollar amount of the purchase.

There is no sales tax on the purchase.

### Part A

What is the amount, in dollars and cents, the store pays in fees for a \$60.00 purchase by a customer using a credit card?

Enter your answer in the box.

### Part B

The store gives a discount to customers who use cash instead of a credit card for a purchase. The discount is equal to  $\frac{4}{5}$  of the 1.75% processing fee the store would be charged if a credit card was used.

A customer will make a \$150 purchase using cash. What will be the discount, in dollars and cents, for using cash instead of a credit card on this purchase?

Enter your answer in the box.

### Answer Key

Part A: 1.20      Part B: 2.10

### Elaboration on Alignment

This grade 7 standard requires students to be able to solve multi-step problems involving rational numbers presented in a variety of forms. Typical of modeling problems, this item has many different quantities to attend to (prices, fees, surcharges, etc.) The real-world context allows students to continually evaluate the

reasonableness of their results. This item reflects previous learning from many major work standards in grades 4 -6, including computations involving fractions, decimals, and percentages. (Note that students would have access to a calculator for this item.)

### Learn More

Learn more with the [Math Assessment Item Alignment Professional Development Modules](#).

All content linked to within this resource was free for use when this resource was published in October 2017. Over time, the organizations that manage that external content may move or remove it or change the permissions. If the content is no longer available, please email [info@studentsachieve.net](mailto:info@studentsachieve.net).