| | Today's Lesson: To use compatible numbers to estimate quotients. |
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| **CCSS** | Number and Operations in Base Ten, Grade 5 (Find whole-number quotients of whole numbers and with decimals to hundredths.) 5.NBT.6 |
| **Focus Lesson 1 (I do)** | *"We have learned how to estimate. Today we are going to learn how to estimate quotients. "*<br><br>Begin the lesson by having students make a connection. *"Let's try and remember a time when we had to divide, but didn't need an exact answer."* The teacher will allow the students to share different examples.<br><br>Then, the teacher will present the students with a sample problem. *"Let's say you have 224 rubber bands. You want to make about 5 bracelets. About how many bands would be in each bracelet?"*<br><br>Still thinking aloud, the teacher will say, *"To find the exact answer to this problem, I would divide 224 by 5. If I want to estimate, I would use compatible numbers."* The teacher will remind students that compatible numbers are numbers close to the actual numbers that work comfortably together. *"If I were trying to estimate this problem, I would find 2 facts that are close to 22 divided by 5. The numbers 20 and 5 are compatible numbers. If I add the '0' on to 20, I have 200. 200 divided by 5 equals 40. If I was making an estimate for this problem, I would say that each bracelet would have about 40 bands."* |
| | **Round of Daily 3 Math** |
| **Focus Lesson 2 (We do)** | The teacher will put the following problem on the board: "Sophie earned $597.00 in 3 months, babysitting. If she made the same each month, about how much money did she earn each month?"<br><br>The teacher will say, *"I would like for you to work with an elbow buddy. I want you to work together to find compatible numbers, and then mentally divide to find a good estimate for the answer."* (The teacher will give appropriate wait time, and then continue.) *"Next, I would like for you and your partner to talk with another partner set. Please share and discuss what compatible numbers you came up with, and what your estimate was." (*The teacher will wait for the students to discuss their thinking in groups of 4.*)*<br><br>The students will be asked to share their estimates, and the compatible numbers they came up with. The teacher will then remind students that there may be more than one set of compatible numbers that could be chosen. The teacher should also remind students that they need to remember to add the '0' when they are dividing to find their estimate. |

## Round of Daily 3 Math

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| **Focus Lesson 3 (You do)** | Present students with the following story problem:<br><br>*"Noah is dividing his 276 baseball cards among his 4 friends. About how many cards could he give to each of his friends?"*<br><br>Students will use compatible numbers and estimation to find how many cards each friend will get. |

## Student Sharing