

Interpreting Remainders

Solve each problem. Write *A, B, C, D, or E* to indicate how you interpreted the remainder.

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|-------------------------------------|---|----------------------------------|
| A Use only the whole number. | B Round up to the next whole number. | |
| C Use a mixed number. | D Use a decimal. | E Use only the remainder. |

1. Nicole has 122 books to put on shelves. She decides to put 15 books on a shelf as often as she can. How many shelves does she need to hold all of the books?
2. Four children helped Mr. Johnson clean his garage. Mr. Johnson has \$18 that he is going to share equally between all four children. How much will each child get?
3. Andre and his sisters picked 105 pounds of grapes for their family's farm stand. They put the same amount of grapes into each of 30 bags. How many pounds of grapes were in each bag?
4. You are organizing a trolley ride for 95 total students, teachers and parents. If each trolley can seat 15 people, how many trolleys do you need?
5. Marcia has 412 bouquets of flowers for centerpieces. She uses 8 flowers for each centerpiece. How many centerpieces can she make?
6. One plant container holds 14 tomato seedlings. If you have 1113 seedlings, how many containers do you need to hold all the seedlings?
7. Fiona bought 2212 stickers to make a sticker book. If she places 18 stickers on each page, how many pages will her sticker book have?
8. There are 56 students in a school's Swimming Club. How many relay teams of 6 can the students make?
9. Meg cuts a 412 meter length of ribbon into 4 equal pieces. What is the length of each piece of ribbon?
10. A factory packed 815 teddy bears into large boxes for delivery to a toy store. Each large box held 9 teddy bears. The remaining bears were packed in a small box. How many teddy bears were packed in the small box?
11. St John's School were going on a school trip. There were 459 children and they could fit 35 children on a bus. How many buses will they need?

12. Jarred collects and sells gargoyle eggs. He collects 1079 eggs which can be packed in boxes of 8. How many boxes will he need?
13. Andrea has a bag of 240 beads. She is making bracelets with the beads. Each bracelet takes nine beads. How many bracelets can she make?
14. Eight students bought a gift for their teacher that cost \$123. They split the cost evenly. How much money did each student contribute?
15. There are 123 students at lunch. Each table fits nine students. How many tables will be completely filled?
16. Mr. Ramirez is painting tiles 5 different colors in equal amounts. If there are 2347 tiles, how many of the tiles will be left over?
17. Ginny is placing buttons into 7 different containers in a pattern. If he has 1654 buttons, how many times can he complete the pattern?
18. There are 143 kids at camp. The counsellors are buying a juice box for each kid. If juice boxes come in packs of 8, how many packs do they need to buy?
19. Amber is cutting lengths of a string from a spool. The spool has 345 feet of string. If she cuts two-foot lengths, how much extra string will she have?
20. Nancy is saving up to buy a car. The car she wants costs \$9744. If she makes \$9 per hour, how many hours will she have to work to pay for the car?
21. Peter has 1553 cell phone minutes left this month. If there are 5 days left in the month, how many minutes can he use each day?
22. Tim lives with four of his closest friends in a house. If their monthly rent is \$1758 and they split it evenly, but Tim covers the leftover, how much does Tim pay?
23. A roller coaster holds 30 people. There are 252 people waiting for a ride. How many times will the roller coaster need to run so that all 252 people get a ride?
24. Four boxes of candy cost \$5. How much does each box cost?
25. John has a 10-foot board that he needs to cut into 8 equal sections. How long should each section be?