

NAME _____

Module 2 Whole Number Operations
Lesson 4 Large Numbers: Division

Additional Practice

2.4

Divide using partial quotients.

- If there are 330 students and 22 rows of chairs at the graduation ceremony, how many chairs must be in each row to seat an equal number of students?
15 chairs in each row
- Ali divided his salary for the week equally among 11 people that helped him, and he did not keep any of it for himself. If his salary was \$594, how much did each person get?
\$54
- Brady scored 1,020 points on his history tests for one semester. If his average score per test was 85 points, how many tests did Brady take?
12 tests
- Ashley wants to divide the cheer dance routine into equal segments. If the dance routine is 300 seconds long and has 15 segments, how long is each segment?
20 seconds
- Neira bought 260 yards of ribbon that she needed to cut into 20-yard pieces. How many 20-yard pieces can she cut?
Thirteen 20-yard pieces
- The combined ages of the people that attended the assembly are 525 years. There are 35 people at the assembly. What is the average age of the people who attended the assembly?
15 years

Divide.

- $552 \div 6$
92
- $302 \div 4$
75 R 2
- $355 \div 5$
71
- $187 \div 8$
23 R 3

Interpret the remainder to answer each question.

- Hannah is told to fill glasses with eight ounces of orange juice. If she is given 206 ounces of orange juice to use, how many eight ounce glasses can she fill?
Drop the remainder, 25 glasses
- How many inches of rope are left over if a 157 inch long rope is cut into as many four inch pieces as possible?
Use the remainder, 1 inch

13. Joshua needs to report how many buses are needed for the school field trip. If 260 students are going on the field trip and he is putting 48 students on each bus, how many buses does Joshua need?
Increase the quotient, 6 buses
14. Josiah is allowed to keep any remaining pieces of candy that he does not use when separating a large bag of candy into smaller bags. The large bag contains 670 pieces of candy, and each small bag holds 18 pieces of candy. How many pieces of candy will Josiah be allowed to keep?
Use the remainder, 4 pieces of candy
15. If it takes 2,160 tiles to tile the rooms in a house and tile is sold 25 tiles to a box, how many boxes are needed?
Increase the quotient, 87 boxes
16. Lori wants to buy as many CDs as she can for \$380. The CDs she wants cost \$22 each. How many CDs can she buy?
Drop the remainder, 17 CDs

Write a division problem for each set of instructions.

17. Write a division problem that has a dividend of 347 and a divisor of 52. Make the answer to the question the quotient with the remainder dropped.
Possible answer: Joel has \$347 to spend on video games. He is buying video games that cost \$52 each. How many can he buy? 6 video games
18. Write a division problem that has a dividend of 439 and a divisor of 29. Make the quotient need to be increased to answer the question.
Possible answer: If there were 439 people to be seated 29 to a section, how many sections would be needed for everyone to have a seat? 16 sections
19. Write a division problem that has a dividend of 150 and a divisor of eight. Make the answer to the question the quotient with the remainder dropped.
Possible answer: If there were 150 people to be seated 8 to a table, how many full tables would there be? 18 full tables
20. Write a division problem that has a dividend of 109 and a divisor of 11. Make the answer to the question equal the remainder.
Possible answer: If there were 109 people to be seated 11 to a table, how many people would be left over? 10 people