

## Division

### Skill 4 - 15C

#### Problem Solving

Test Question 15C

Mr. Johnson needs to move 816 fence posts to another town. His truck can only carry 34 posts at a time. How many trips will he make in his truck to carry all the fence posts?

Answer:  $816 \div 34 = 24$

**Directions:** Solve the following word problems.

1. Maria's school is going on a field trip. There are 252 students and 42 seats on each bus. How many buses will the school need to take all of the students?
2. Joshua has 540 marbles. If he put them in equal groups of 60 marbles, how many marbles will be in each group? Use mental math and a multiplication fact to solve.
3. Kayla's has 144 beads. If she divides them equally among 12 friends, how many beads will each friend receive.
4. Kevin's class needs to sell 450 boxes of cookies to raise money for a field trip. If there are 25 students in his class, how many boxes must each student sell?

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5. Amy has 432 beads to make bracelets. If she uses 24 beads in each bracelet, how many bracelets can she make?
  
  
  
  
  
  
  
  
  
  
6. Jason has 300 marbles. If he gives an equal number to 30 friends, how many marbles will each friend get?
  
  
  
  
  
  
  
  
  
  
7. Kayla 486 cards. If she divides them equally among 54 students, how many cards will each student get?
  
  
  
  
  
  
  
  
  
  
8. Thomas has 180 stickers. He wants to give each of his 15 friends an equal number of stickers. How many stickers will each student receive?
  
  
  
  
  
  
  
  
  
  
9. Bobby has 180 matchbox cars displayed on 30 shelves. How many cars are on each shelf?
  
  
  
  
  
  
  
  
  
  
10. Karen is making necklaces. She 560 beads. Each necklace is made with 70 beads. How many necklaces can she make?

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**Directions:** Solve the following word problems.

11. Melissa has 396 matchbox cars that she would like to display on shelves. Each shelf holds 33 cars. How many shelves will she need?
  
12. Mr. Jackson drove 220 miles. He drove at a speed of 55 miles per hour. How many hours did it take to drive 220 miles?
  
13. Larry is putting oranges in boxes. He has 438 oranges. Each box holds 24 oranges. How many boxes does he need? How many oranges are in the box that is not full?
  
14. A plant nursery has 690 oak trees. If the trees are placed in 23 rows, how many trees will be in each row?

**Directions:** Use compatible numbers to estimate the quotient for the following problems.

15. Karen has 178 seashells. She wants to give an equal number to 20 friends. *About* how many shells will each friend get?
  
16. Joey's family is driving to Sea World on vacation. The distance they have to travel is 248 miles. They will drive 50 miles each day. *About* how many days will it take to get to Sea World?
  
17. Marissa has 724 beads. If she puts them in 12 equal groups, *about* how many beads will be in each group?

Answers: Skill 15C Grade 4

1.  $252 \div 42 = 6$  buses

2.  $540 \div 60 = 9$  marbles  
use the basic fact  $6 \times 9 = 54$

3.  $144 \div 12 = 12$  beads

4.  $450 \div 25 = 18$  boxes

5.  $432 \div 24 = 18$  bracelets

6.  $300 \div 30 = 10$  marbles

7.  $486 \div 54 = 9$  cards

8.  $180 \div 15 = 12$  stickers

9.  $180 \div 30 = 6$  cars

10.  $560 \div 70 = 8$  necklaces

11.  $396 \div 33 = 12$  shelves

12.  $220 \div 55 = 4$  hours

13.  $438 \div 24 = 18$  r6 oranges

14.  $690 \div 23 = 30$  trees

15. use compatible numbers  
 $180 \div 20 = 9$   
about 9 seashells

16. use compatible numbers  
 $250 \div 50 = 5$   
about 5 days

17. use compatible numbers  
 $720 \div 12 = 60$   
about 60 beads