

Division

Skill 4 - 8E

Problem Solving

Directions: Solve the following word problems.

Example

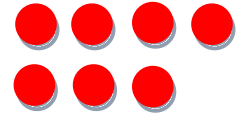
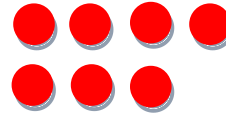
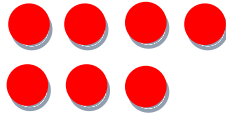
Mason is arranging the chairs for the audience that will attend the school play. He has 21 chairs. He decides to arrange them in to 3 rows. How many chairs will be in each row?

Answer: 7

$$21 \div 3 = 7$$

$$\text{Check: } 7 \times 3 = 21$$

You can use counters.
Divide 21 counters into 3
equal groups.



There are 7 counters in each group.

1. Anna has 36 pictures to add to her photo album. She wants to put 6 pictures on each page. How many pages will she need?
2. Victoria has 28 model cars that she would like to display on shelves. How many shelves will she need if she puts 7 cars on each shelf?
3. Marvin is planting a garden. He has 54 plants. He wants to plant them in 6 rows. How many plants will be in each row?

Answer Key

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1. $36 \div 6 = 6$ She will need 6 pages. **Check:** $6 \times 6 = 36$
2. $28 \div 7 = 4$ She will need 4 shelves. **Check:** $4 \times 7 = 28$
3. $54 \div 6 = 9$ There will be 9 plants in each row. **Check:** $9 \times 6 = 54$
4. $120 \div 15 = 8$ It will take her 8 days. **Check:** $8 \times 15 = 120$
5. $128 \div 16 = 8$ She will need 8 boxes. **Check:** $8 \times 16 = 128$
6. $59 \div 7 = 8 \text{ r } 3$ There will be 8 marbles in each bag. Since there is a remainder of 3 there are 3 marbles that will not be in a bag.
Check: $8 \times 7 = 56$ $59 - 56 = 3$ There is a remainder of 3.