

Division Skill 5 - 6C

Problem Solving

<p>John works at a plant nursery. He must pack 1,687 plants in boxes. Each box will hold 8 plants. How many boxes will John need?</p>	$\begin{array}{r} 210 \text{ r}7 \\ 8 \overline{)1,687} \end{array}$	<p>Answer: 211 boxes</p> <p style="text-align: center;">Check</p> <p style="text-align: center;">$210 \times 8 = 1,680$</p> <p style="text-align: center;">$1680 + 7 = 1,687$</p>
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Solve.

1. Kendra has 786 pictures that she wants to put in a photo album. She will put 4 pictures on each page. How many pages will she need?

2. Marcia, Amber and Darlene want to buy a piano. The piano cost \$1,374. They will divide the cost evenly between them. How much money will each girl need?

3. There are 257 students going to the zoo. They will ride in vans. Each van holds 9 students and the driver. How many vans will they need?

4. Mr. Hughes and his family are going on vacation. He will drive 380 miles to reach their destination. It will take 5 hours to arrive. If Mr. Hughes drives at a constant speed, how many miles will he drive each hour?

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Solve.

5. Emilee wants to read a book. The book has 261 pages. If she reads 9 pages each day, how many days will it take her to read the book?

6. Vidal's school has 3 floors. There are 285 students in the school. If the students were divided equally among the 3 floors, how many students would be on each floor?

7. Pablo has 1,488 marbles. He has 8 bags. He wants to put an equal number of marbles in each bag. How many marbles will he put in each bag?

8. Kelli will to set up chairs for the school play. She has 350 chairs. She will place them in 7 rows. How many chairs will be in each row?

Answer Key
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1. $786 \div 4 = 196 \text{ r}2$. She will need 197 pages
2. $\$1,374 \div 3 = \458 each
3. $257 \div 9 = 28 \text{ r}5$ They will need 29 vans
4. $380 \div 5 = 76$ miles each hour
5. $261 \div 9 = 29$ days
6. $285 \div 3 = 95$ students on each floor
7. $1,488 \div 8 = 186$ marbles in each bag
8. $350 \div 7 = 50$ chairs in each row