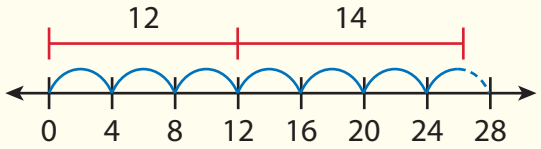
Practice Solving Multi-Step Problems

Study the Example showing how to solve a multi-step problem with a remainder. Then solve problems 1–5.

EXAMPLE

Mrs. Hunter has 12 students in one science class and 14 students in another. She wants to combine both classes to do group work. Each table in the science room can seat 4 students. How many tables does Mrs. Hunter need?



Let t equal the number of tables needed.

$t = (12 + 14) \div 4$
$t = 26 \div 4$
$26 \div 4 \rightarrow 6$ R 2

Mrs. Hunter needs 7 tables.

6 R 2 means:
- 6 tables with 4 students each
- 2 more students need another table

1 Check the solution to the equation in the Example.

..... tables × ..... students per table + ... students = ... total students

2 Serafina earns $8 each time she rakes a yard. She has earned $24 so far. Write and solve an equation to show how many more yards Serafina needs to rake to earn enough to buy a music player that costs $45. Show your work.

Solution .....

Vocabulary

remainder the amount left over when one number does not divide another number a whole number of times.

$26 \div 4 \rightarrow 6$ R 2

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3 Demarco found 15 pieces of sea glass on the beach one day. The next day he found 4 more pieces than he found the day before. Write and solve an equation to find how many pieces of sea glass he found altogether. Estimate to check that your answer is reasonable. Show your work.



Solution

4 The table shows ticket prices at a movie theater. Ticket sales to an afternoon show were $106. There were 10 child tickets sold. Write and solve an equation to find how many adult tickets were sold. Show your work.

	Child	Adult
Ticket price	$5	$7

Solution

5 Tickets to a play are $10 for a child and $15 for an adult. One adult spends $55 to take a group of children to the play. Write and solve an equation to find how many children go to the play. Show your work.

Solution

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