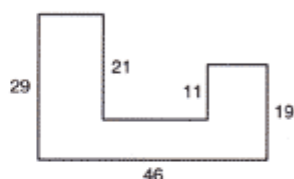


problem set
17

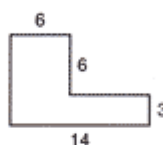
1. During an eleven year period, the Garber Dunns drove their combine 10,802 miles through the wheat fields. If they drove an equal amount each year, how many miles did they drive their combine each year?
(11)
2. There were four thousand, eight hundred forty-two ants in each anthill. If there were three hundred thirty anthills, how many ants were there in all?
(11)
3. In the next valley, the anthills each contained one hundred eight thousand, fifteen ants. How many more ants lived in one of these anthills than lived in one anthill from Problem 2?
(15)
4. Which of the following numbers are divisible by: (a) 3? (b) 5?
(10) 135 1050 335 4145 1010

5. Find the sum of the first 13 prime numbers.
(12)

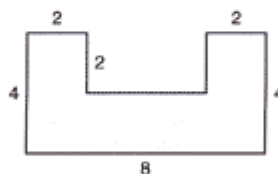
6. Find the perimeter of this figure. Dimensions are in meters. All angles are right angles.
(9)



7. Find the area of this figure. Dimensions are in centimeters. All angles are right angles.
(17)



8. How many 1-inch-square tiles would cover this figure? Dimensions are in inches. All angles are right angles.
(17)



Write each fraction as a decimal number. Write the number as a repeating decimal or round to two decimal places if necessary.

9. $\frac{3}{17}$
(15)

10. $\frac{7}{11}$
(15)

11. $\frac{7}{500}$
(15)

Write each number as a product of prime numbers using exponents:

12. 540
(16)

13. 30
(12)

14. 210
(12)

15. Find GCF (36, 216).
(13)

Reduce each fraction to lowest terms:

16. $\frac{21}{49}$
(14)

17. $\frac{36}{48}$
(14)

18. Write $\frac{3}{5}$ with a denominator of 210.
(14)

19. Multiply: 62.13×7.8
(7)

20. Simplify mentally: 625.3×100
(6)

21. Subtract (add to check): $185.3617 - 17.3169$
(6)