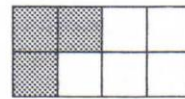


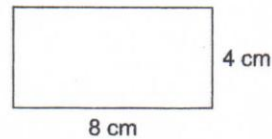
Middle Grades Placement Test

SHOW YOUR WORK!

1. Roberta had six quarters, three dimes, and fourteen pennies. How much money did Roberta have?
2. At 11:45 a.m. Jason glanced at his watch. His doctor's appointment was in $2\frac{1}{2}$ hours. At what time was the appointment?
3. What fraction of this rectangle is shaded?

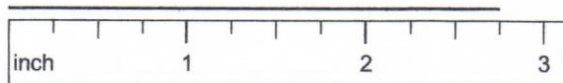


4. What is the perimeter of this rectangle?



5. Three feet equals one yard. A car that is 15 feet long is how many yards long?
6.
$$\begin{array}{r} 346 \\ \times 90 \\ \hline \end{array}$$
7.
$$\begin{array}{r} \$20.00 \\ - \$17.84 \\ \hline \end{array}$$
8. $4 \overline{)1480}$
9. $48 + 163 + 9 + 83$

10. How long is this line segment?



11. Carlos gave the clerk a \$10 bill for a book that cost \$6.95 plus \$0.42 tax. How much money should Carlos get back from the clerk?
12. The distance around the school track is $\frac{1}{4}$ mile. How many times around the track does Cheryl need to run in order to run one mile?
13. Estimate the product of 67 and 73 by rounding each number to the nearest ten before multiplying.

14. In 2 hours the 3 boys picked a total of 1347 cherries. If they share the cherries equally, then how many cherries will each boy keep?

15.
$$\begin{array}{r} 67 \\ \times 89 \\ \hline \end{array}$$

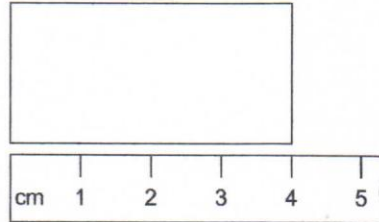
16.
$$\begin{array}{r} 4608 \\ - 2729 \\ \hline \end{array}$$

17. $60 \overline{)1590}$

18. $2.25 + 12.7$

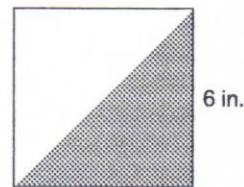
19. $5\frac{3}{4} + 2\frac{3}{4}$

20. This rectangle is half as wide as it is long. What is the perimeter of the rectangle?



21. New York City uses about one billion, three hundred million gallons of water each day. Use digits to write that number.
22. Jill is on page 42 of a 180-page book. If she must finish the book in three days, then she needs to read an average of how many pages each day?
23. Carol cut $2\frac{1}{2}$ inches off her hair three times last year. If she had not cut her hair, how much longer would it have been at the end of the year?

24. One half of the area of the square is shaded. What is the area of the shaded region?



25. $2\frac{1}{3} + 1\frac{3}{4}$

26. 6.3×0.48

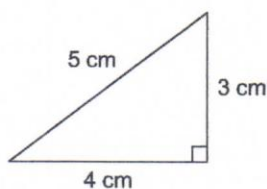
27. $6.7 + 0.48$

28. $\frac{5}{8} \times \frac{3}{5}$

29. $6.3 \div 9$

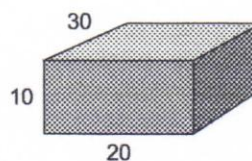
30. If $n - 72 = 36$, what is the value of n ?

31. Round 27,647 to the nearest thousand.
32. Forty percent of the thirty students in the class are boys. How many girls are in the class?
33. Evaluate $ab - c$ if $a = 5$, $b = 3$, and $c = 4$.
34. Albert bought 3 blank tapes for \$5.95. Find the cost per tape to the nearest cent.
35. $4.6 - 3.97$
36. $2.5 \div 100$
37. $2\frac{1}{2} \times 1\frac{2}{3}$
38. $\frac{3}{4} \div \frac{2}{3}$
39. $10 - w = 1.5$ Find w .
40. What is the area of this triangle?

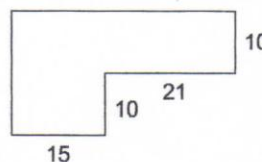


41. What fraction of 56 is 21?
42. What number is $\frac{4}{7}$ of 210?
43. Evaluate $xy - yt$ if $x = 12$, $y = \frac{1}{3}$, and $t = 6$.

44. Find the volume of this rectangular solid. Dimensions are in feet.



45. Find the area of this figure. Dimensions are in centimeters.



46. $(-5)(-3) + (-6)$
47. 18.4×0.013
48. $\frac{7}{8} + 1\frac{3}{16} - \frac{1}{2}$
49. $5x - 2 = 88$ Find x .
50. $(6)(3) + 4(2 + 12)$