

**CABPES BASIC SKILL
Math Assessment Test**

Name: _____

Grade: _____

Score: _____

Directions: Show all work on the test form and write your answers in the provided space.

1. Write the following numbers in order from least to greatest

5, .005, .5, .05

Ans: _____

2. Write the following fractions in order from least to greatest

$\frac{5}{6}$

$\frac{1}{2}$

$\frac{3}{4}$

Ans: _____

3. Find the LCM (least common multiple) of 4 and 9

Ans: _____

4. Find the GCF (greatest common factor) of 24 and 40

Ans: _____

5. Solve $213.06 - 4.8$

Ans: _____

6. Solve $9 \frac{10}{10} - \frac{1}{2}$

Ans: _____

7. Solve $\frac{1}{2}$ of 3

Ans: _____

8. Solve $(0.94)(1.8)$

Ans: _____

9. Solve $22.4 / 0.7$

Ans: _____

10. Write $\frac{3}{8}$ as a decimal Ans: _____

11. Write 0.24 as a common fraction then reduce it to its simplest form
Ans: _____

12. Solve $3^3 =$ Ans: _____

13. Simplify then Solve $3^2 * 3^3 =$ Ans: _____

14. Write the number 976,000 in scientific notation Ans: _____

15. Find the value of the expression

Let $t = 5$ Let $s = 8$ Let $r = 9$

$(12 + t) - (r + s)$ Ans: _____

16. Solve for n: $n/2 = 17$ Ans : _____

17. Write the ratio as a fraction in its simplest form

$24 : 16$ Ans: _____

18. Solve the proportion: $\frac{5}{6} = \frac{n}{12}$ Ans: _____

19. Find the missing percent:

15 is what percent of 75 Ans: _____

20. Solve the following expression:

$42 \div 7 + 2^2 - (3 + 16) - 4(2)$ Ans: _____

21. Solve the inequality: $9 - x \geq -3$

Ans: _____

22. Simplify the following expression:

$$(x + 5)(x - 8)$$

Ans: _____

23. Solve for the absolute value of x:

$$|x - 5| = 2$$

Ans: _____

24. Solve the equation:

$$7y + 7(y + 3) = -21$$

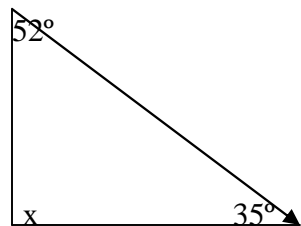
Ans: _____

25. Solve for x and y using the elimination method:

$$\begin{aligned} 3x + y &= 20 \\ 2x - y &= 15 \end{aligned}$$

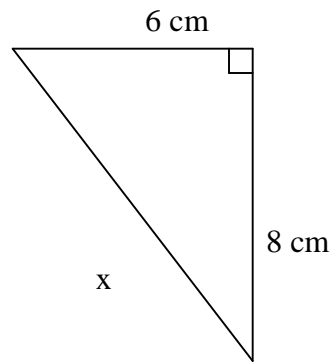
Ans: _____

26. Find the missing angle measure for a triangle:



Ans: _____

27. Use Pythagorean's Theorem to find the length for the missing side



Ans: _____