Math Refresher
Practice Questions

Take our quick test to see if you're ready to take the GRE or GMAT prep course. If you are comfortable with all of these math questions, you are ready to begin studying for the exam. If not, take our Math Refresher before taking your GRE or GMAT prep course.

1. 17 is 25% of $what$ $number?$

2. $Simplify$: $\left(\frac{4}{5} + \frac{1}{4}\right) x \frac{5}{12}$

3. $Simplify$: $(\sqrt{100})(\sqrt{12})$

4. $Simplify$: $(3a^6b^5)\,(5a^2bc^3)$

5. $List$ the $factors$ of 120.

6. $When$ $x = 6$, $x^2 + 3x - 4 =$

7. $Solve$ for m: $\left(\frac{m-2}{3}\right) + 1 = \frac{2m}{7}$

8. $Multiply$: $(4x + 3)\,(7x - 5)$

9. $What$ are the $solutions$ of x,

   $given$ $9x^2 + 3x - 2?$

10. $Multiply$: $(x + 3)(2x^2 + 10x + 1)$

11. $What$ is the $square$ $root$ of $\sqrt{2025}?$

12. $6.24 \div 0.026 =$

13. $List$ the $prime$ $numbers$ up to 20.

14. $Convert$ 65% to a $decimal$ and a $fraction$.

15. 30% of 80 is $what$ $percent$ of $2400?$

16. $\frac{7}{20} \div \frac{3}{5}$

17. $\left(\frac{1}{3}\right)^3$

18. $Which$ is $bigger$: $|4|$ or $|-5|?$

19. If $3x + 13y = 23$ and $7x - 3y = 12$,

    $what$ $does$ $10x + 10y$ $equal?$

20. If $-\frac{1}{2}x + 5 = 8$

    $what$ is the $value$ of $3x + 5?$

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1. 68

2. $\frac{7}{16}$

3. $20\sqrt{3}$

4. $15a^8b^6c^3$

5. $1, 2, 3, 4, 5, 6, 8, 10, 12,$

   $15, 20, 24, 30, 40, 60, 120$

6. 50

7. $m = -7$

8. $28x^2 + x - 15$

9. $x = \frac{1}{3},\ x = -\frac{2}{3}$

10. $2x^3 + 16x^2 + 31x + 3$

11. 45

12. 240

13. $2, 3, 5, 7, 11, 13, 17, 19$

14. $.65\ and\ \frac{65}{100}\ or\ \frac{13}{20}$

15. 1%

16. $\frac{35}{60}\ or\ \frac{7}{12}$

17. $\frac{1}{27}$

18. $|-5|$

19. 35

20. -13