

MasterMathMentor predicts your future!

You are studying for the S.A.T. exam. You have been told over and over that getting into college will start you on the road to success. But what will that college be? What will it prepare you to do for the rest of your life? Where will you live when you graduate with that job? There are 29 sets of 3 math problems that are similar to what you will see on the S.A.T. mathematics exam. Solve them all and you will not only be prepared to get into that college, you will remarkably find out what college you will attend, what your occupation will be, and where you will live! There are 27,000 possible combinations from all these listed below. The rest of your life is one of them!



Auburn Univ.	Accountant	Auckland, New Zealand
Carnegie Mellon Univ.	Actuary	Baghdad, Iraq
Clemson Univ.	Astronaut	Bangkok, Thailand
Cornell Univ.	Bartender	Berlin, German
Duke Univ.	Brain surgeon	Biloxi, Mississippi
Emory Univ.	Chef	Boston, Massachusetts
Florida State Univ.	Chemist	Chicago, Illinois
Georgetown Univ.	Correction officer	Death Valley, California
Georgia Tech	Dentist	Denver, Colorado
Harvard College	Electrician	Fargo, North Dakota
Harvey Mudd College	Engineer	Honolulu, Hawaii
Johns Hopkins Univ.	Financial adviser	Los Angeles, California
L.S.U.	Firefighter	Las Vegas, Nevada
M.I.T.	Golf pro	London, England
Naval Academy	Hairdresser	Miami, Florida
Northwestern Univ.	Hotel manager	Moscow, Russia
Notre Dame Univ.	Janitor	Mumbai, India
NYU	Lawyer	New Orleans, Louisiana
Ohio State Univ.	Mail carrier	New York, New York
Penn State Univ.	Musician	Nome, Alaska
Stanford Univ.	Nurse	Norfolk, Virginia
Swarthmore Univ.	Plumber	Paris, France
Trump Univ.	Podiatrist	Philadelphia, Pennsylvania
Tufts Univ.	Police officer	San Francisco, California
UCLA	Psychiatrist	Seoul, South Korea
Univ. of Miami	Security guard	South Pole
Univ. of Michigan	Senator	Tel Aviv, Israel
Univ. of Pa.	Teacher	Tokyo, Japan
Univ. of Southern Cal	Truck driver	Toronto, Canada

SAT Clue Problem Set # 1

College Problem:

If $x > 0$ and $x^2 - 98 = 2$, what is the value of $x + 4$?

Possible answers: 6, 10, 14, 24

$$\begin{aligned}x^2 &= 100 \\x &= \pm 10 \\ \text{Because } x > 0, x &= 10 \\x + 4 &= 10 + 4 = 14\end{aligned}$$

OR Plug in answers

Type: PAM, Exponential Equations

The answer is: 14. Cross out that College number on your clue card and write # 1 as your set.

Occupation Problem:

The average weight of five books is 18 pounds. The sum of any four of the books is 64 pounds. What would be the weight of the 5th book?

Possible answers: 18, 23, 24, 26

$$\begin{aligned}\frac{a+b+c+d+e}{5} &= 18 \\a+b+c+d+e &= 90 \\a+b+c+d &= 64 \text{ (the sum of any 4 of the books is 64)} \\e &= 26 \text{ (subtracting both equations)}\end{aligned}$$

Type: PSD, Statistics

The answer is: 26. Cross out that Occupation number on your clue card and write # 1 as your set.

Location Problem:

How many integers satisfy the following inequality? $1 < \frac{x}{3} + 2 \leq 4$

Possible answers: 7, 8, 9, 10

$$\begin{aligned}1 < \frac{x}{3} + 2 &\leq 4 \\3 < x + 6 &\leq 12 \text{ (Multiply each term by 3)} \\-3 < x &\leq 6 \text{ (Add } -6 \text{ to each term)} \\ \text{The integers satisfying this are } &-2, -1, 0, 1, 2, 3, 4, 5, 6\end{aligned}$$

WATCH OUT!

zero and negative whole numbers are integers.

Type: HA, Inequalities

The answer is: 9. Cross out that Location number on your clue card and write # 1 as your set.