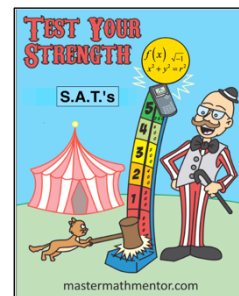


Introducing Test Your Strength SAT® and ACT®

Test Your Strength (from www.mastermathmentor.com) is a 72-question multiple-choice diagnostic test that will give students detailed information about their strengths and weakness in all mathematical areas in which college entrance mathematics exams cover. There is a SAT version as well as an ACT version.



Once students take the exam, they are provided with color coded comprehensive information that gives them a roadmap as to where to concentrate their study as they prepare for the SAT's or ACT's.

In **Test Your Strength**, students get feedback on every question in the exam as shown in the SAT answer sheet to the right.

#	Ans	Result	Classification	Primary Topic	Structure	Chart	Calc'r
1	D	Right	Heart of Algebra	8. Systems of Linear Equations	Pure Math		
2	D	Guess	Passport to Advanced Math	14. Functions/Transformations	Pure Math		
3	A	Right	Additional Topics	11. Complex Numbers	Pure Math		
4	B	Wrong (A)	Data Analysis	2. Fractions, Decimals, & Percents	Word Prob.		Yes
5	C	Right	Heart of Algebra	6. Linear Equations	Pure Math		

Once they complete the exam, they get a detailed analysis in 24 mathematical areas as well as the 4 classifications of problem types that the College Board uses (shown to the right) and 6 classifications for ACT. Students can see the distinction between their understanding of pure math versus word problems involving English skills. They can see how they perform on questions allowing a calculator and/or graphs or charts as opposed to those that don't. By looking at the color-coded topic tables, students can see at a glance in the areas in which they need to improve.

Strong	Okay	Shaky	Weak
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Classification	# Correct	Out of	Pct.
Heart of Algebra	11	11	100.0%
Passport to Advanced Math	17	22	77.3%
Data Analysis	10	26	38.5%
Additional Topics	12	13	92.3%
Total	50	72	69.4%

Structure	# Correct	Out of	Pct.
Pure Math	34	42	81.0%
Word Prob.	16	30	53.3%

Chart or Graph	# Correct	Out of	Pct.
Yes	12	22	54.5%
No	38	50	76.0%

Calculator	# Correct	Out of	Pct.
Yes	23	30	76.7%
No	27	42	64.3%

ACT	Topics	Pts	Out of	Pct.
Numbers	1. Integrating Essential Skills	21	29	72%
	2. Fractions, Decimals, Percents	14	21	67%
	3. Ratio, Rates, Proportions	12	13	92%
A	4. Absolute Value	8	9	89%
L	5. Polynomials, Factors, Rat'l Exp.	16	21	76%
G	6. Linear Equations	11	15	73%
E	7. Linear Inequalities	7	11	64%
B	8. Linear & Quadratic Systems	14	14	100%
R	9. Complex Numbers	3	10	30%
A	10. Radicals & Rational Exponents	13	16	81%
	11. Sequences and Series	7	10	70%
	12. Functions & Transformations	15	15	100%
Func-tions	13. Quadratic Functions & Parabolas	14	14	100%
	14. Interpretations of Graphs	11	16	69%
	15. Linear and Exponential Growth	8	13	62%
Geometry	16. Geometry: Angles and Lines	11	11	100%
	17. Geometry: Shapes & Calculations	12	16	75%
&	18. Coordinate Geometry	9	14	64%
	19. Trigonometry and Triangles	8	15	53%
Trig	20. Analytic Trigonometry	7	10	70%
Adv.	21. Advanced Math Concepts	7	15	47%
Statistics & Prob.	22. Distributions: Center, Spread, Shape	12	15	80%
	23. Table Data/Probability	17	26	65%
	24. Data Collection and Conclusions	8	11	73%
Total		265	360	74%

Test Your Strength is NOT intended as practice SAT or ACT exams to be used for grading purposes. They are purely a diagnostic tool. While the student exams can be downloaded for free using the link below, purchasing the application gives the student exam, the grading template, and full detailed explanation of the solutions. It can be used in the following ways:

- by teachers who are teaching an SAT/ACT review course or providing help to kids after school. A class of 25 students can be graded in just 15 minutes with a 2-page feedback sheet given to all students. Purchasing **Test Your Strength** allows you to give the exam to an unlimited number of students for one small price.
- by individual students who are beginning to prepare for the SAT or ACT mathematics exam.

The SAT version and ACT version are distinct products. About 21% of the problems on the ACT exam are different from those on the SAT exam. The SAT version is based on 4 choices per problem while the ACT is based on 5. The classification of problems is based on criteria selected by either the College Board or the ACT.

The only requirement for **Test Your Strength** is having Microsoft Excel on your computer. Excel is a part of Microsoft Office and most people who use a computer regularly have it.

Either version of **Test Your Strength** costs \$21.95 (\$38.95 for both versions) and can be purchased through Paypal, with a credit card, or with a school PO. More information on this application and purchasing information can be found at: <http://www.mastermathmentor.com/mmm/SATPage.ashx>