

TEAS Math Practice Test

Visit www.bcraftmath.com/atiteas for all of your TEAS math preparation needs. Nearly everything there is free and will be updated on a regular basis.

The math portion of the TEAS test contains 36 questions with a time limit of 54 minutes. These questions are challenging, and some may be slightly more difficult than what you will see on the TEAS test. However, my goal here is to over-prepare you for the test. With that said, though the test is multiple choice, there are no multiple-choice answers given here. There will be 32 questions that are actually scored with 23 of them coming from the “Number and Algebra” category and 9 coming from the “Measurement and Data” category.

Check your answers at the end of this document. Full video solutions are also at my website to EVERY SINGLE QUESTION and those are completely FREE.

IMPORTANT – There are SO many different types of questions on the math portion of the TEAS. That is why you see SO many videos at my website. It is very likely that you will still see something on your test that is not mentioned on this free practice test, but I’m fairly certain that my videos will cover almost everything!

After utilizing all of my free stuff, give my [Workbook](#) a shot, or the [100+ Multiple Choice Questions Math Review](#), or [Private Tutoring](#).

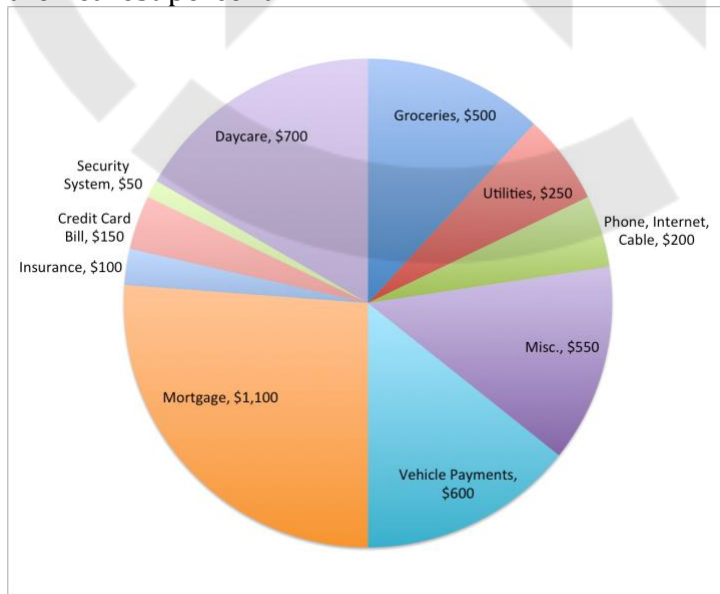
1. $7\frac{5}{6} \div 2\frac{2}{3} = ?$ Leave your answer as a mixed number.
2. $\frac{5}{6} \div \frac{2}{7} \times \frac{3}{4} = ?$ Leave your answer as a fraction.
3. $0.0321 \times 4.1987 = ?$ Round your final answer to the nearest thousandth.
4. $5\frac{3}{4} - 2\frac{1}{6} = ?$ Leave your final answer as a mixed number.
5. $\frac{5}{8} \div \frac{3}{2} = ?$ Leave your final answer as a fraction.
6. $20 \div 4(3 + 2) = ?$
7. Convert 0.032 to a percent.
8. $\frac{3}{8} - \frac{2}{5} + 1\frac{3}{4} \times \frac{7}{5} = ?$ Leave your final answer as a mixed number.

9. Arrange the numbers from greatest to least.
 $\frac{9}{8}, \frac{7}{3}, \frac{5}{4}, \frac{5}{6}, \frac{17}{12}$
10. $2.58 + 3.071 \times 1.2 = ?$
11. Arrange the numbers from greatest to least.
 $-1, -\frac{3}{2}, 1.1, 13\%, \frac{9}{10}, 0.09, 115\%$
12. It has been reported that the revenue of a particular tablet in 2015 was approximately \$54 million dollars. That same tablet produced only \$46 million dollars in sales in 2016. What is the percent of decrease in sales for this tablet from 2015 to 2016? Round to the nearest percent.
13. Michael shot 50 free throws as practice before the championship game since it is known that free throw percentage can really determine the outcome of a basketball game. He missed 6 free throws. What percentage of the attempted free throws did Michael make?
14. *Challenging.* Jose wins big on a scratch-off ticket. After paying 25% in taxes and paying off his car loan of \$23,000, he has \$22,000 left. What was the grand prize of the scratch-off before taxes were applied and before Jose paid off his car loan?
15. If $3x + 6 = 18$, what is $10x - 2$?
16. Solve the equation for x. $3x - 4 = 2(7x - 6)$
17. $\frac{4}{5}x - 5 = \frac{2}{3}x + 2$ Solve for x.
18. Four more than twice a number "a", is 5 less than half another number, "b". Write an equation that models this.
19. The table below shows the cost to rent a paddleboat at a park beside a lake. Write an equation that models the cost, C, for the time in hours, h, that the paddleboat is rented.
- | | | | |
|--------------|--------|--------|---------|
| Hours Rented | 1 | 2 | 3 |
| Costs | \$4.50 | \$9.00 | \$13.50 |
20. One of the heaviest babies ever born was approximately 10.2kg. Given that 1kg is approximately 2.2lbs, how many pounds did the infant weigh? Round your answer to the nearest tenth of a pound.

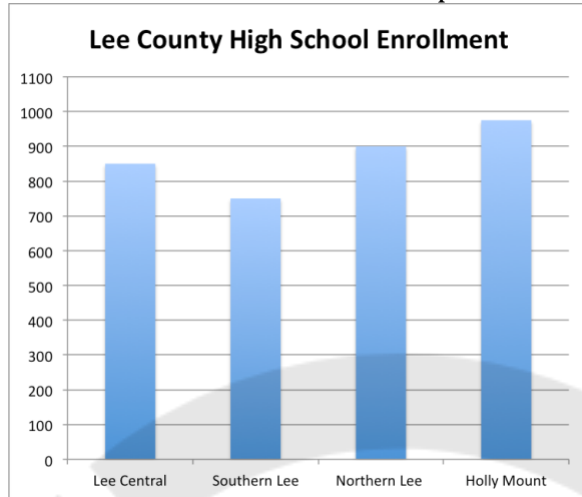
21. *Challenging.* A cylinder has a diameter of 12 inches at its base. The height of the cylinder is 1.25 feet. What is the volume of the cylinder in cubic inches? Use 3.14 for π and round your answer to the nearest cubic inch.
22. While spending their wedding moon in Jamaica, Brandon and his wife had to travel from Montego Bay to Negril. The GPS showed a travel distance of 81 km. To the nearest whole number, how many miles did they travel from Montego Bay to Negril? (0.62 miles is approximately 1km)
23. The weight limit at a weigh station for an 18-wheeler is 40 tons, which includes the weight of the truck and all material on-board. Jack is driving an 18-wheeler (with trailer) that weighs about 32,000 pounds without any cargo on board. He is hauling market pigs this week. If the average weight of a market pig is 250 pounds, about how many pigs can Jack carry on the 18-wheeler and stay within the weight regulations? (1T = 2000lbs)
24. A blueprint of the living room in a newly built home is sketched at a scale where one inch on the blueprint equals five feet in the actual room. The area of the rectangular living room on the sketch is 20in^2 . What is the true area of the living room (in square feet)?
25. Brett wants to sound proof his studio, which is in the shape of a box. He will cover all 4 walls, the floor and the ceiling with the sound proof padding material. If the floor's dimensions are 15ft x 20ft and the height of the room is 10ft tall, how much will Brett spend on padding that costs \$2.50 per square foot?
26. Carlos has a budget of \$2500 and he needs to purchase new laptops and cameras for the IT department. If the quoted price of a laptop is \$450 and a camera is \$65, write an inequality that can be used to find the various numbers of laptops (let's call them l) and cameras (let's call them c) that Carlos can purchase, excluding tax.
27. *Challenging.* Kumar can buy 3 burgers and 2 medium fries for \$10.00 from a fast food restaurant. Harold can buy 2 burgers and 3 medium fries for \$8.75 from the same restaurant. How much will 1 burger and 1 medium fry cost?
28. A 60" 4k television is on sale for Black Friday. The original price was \$899.99, but the ad states to take 30% off the original price. What is the sale price, excluding tax? Round to the nearest dollar.
29. Ashley needs a pair of shoes for running and another pair for work. The local shoe store has a sale this week. The sale states that you can buy one pair of shoes and get 40% off a second pair of equal or lesser value. The

running shoes retail for \$75 and the work shoes she would like retail for \$58. How much, to the nearest dollar will Ashley spend, excluding tax, on both pairs of shoes if she takes advantage of the sale?

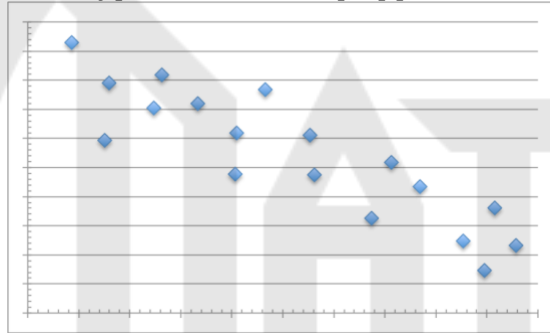
30. The light bills over the past 6 months for the Forest family were the following: \$125, \$156, \$132, \$175, \$140, \$115. What is the average light bill for the Forest family over these 6 months?
31. Referring back to the Forest family's light bills, what is the median of their light bills for the past 6 months?
32. *Challenging. Read this one very carefully.* Carla runs a small business where she makes artificial flower arrangements. A customer has placed a large order for 100 identical arrangements. Carla has made a list of supplies that she needs to make the entire order. Each arrangement needs a plastic molding. It will cost Carla \$3.25 for each plastic molding. She also needs 4 packages of colored netting, which sell for \$15.00 each. However, the company she orders from has a special on the netting packages. If you buy 3 packages of netting, you get a package for free. Polyester fabric is another item she will need. She needs 180 square feet of polyester fabric that sells for \$5.20 per square yard. Lastly she needs artificial stems. She will need 6 stems per arrangement and they are sold in packs of 10. The cost for one pack of artificial stems is \$2.50. If Carla sells each arrangement for \$20.00, how much money will Carla make off the order once she subtracts her expenses for the supplies?
33. The Johnson's family monthly budget is shown in the pie chart below. What percent of their monthly budget is spent on groceries? Round to the nearest percent.



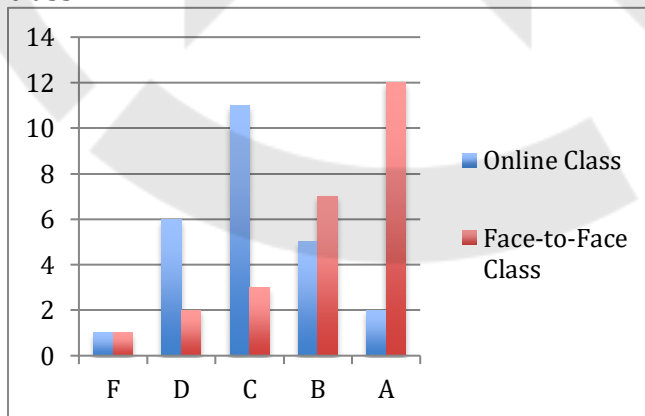
34. There are four high schools in Lee County. The enrollment numbers are given in the graph below. What is the approximate percentage of high school students in Lee County that attends Lee Central High School? Round to the nearest tenth of a percent.



35. What type of relationship appears to exist in the graph below?



36. Comment on the shape of the distribution for the final grades of Mr. Craft's online students and face-to-face students in a College Algebra class.



End of Practice Test. Answers are on the next page.

Solutions – Videos covering every single question are on my website.

1. $2\frac{15}{16}$
2. $35/16$
3. 0.135
4. $3\frac{7}{12}$
5. $5/12$
6. 25
7. 3.2%
8. $2\frac{17}{40}$
9. $7/3, 17/12, 5/4, 9/8, 5/6$
10. 6.2652
11. 115%, 1.1, $9/10$, 13%, 0.09, -1, $-3/2$
12. 15%
13. 88%
14. \$60,000
15. 38
16. $8/11$
17. 52.5
18. $2a + 4 = \frac{1}{2}b - 5$
19. $C = 4.50h$
20. 22.4 pounds
21. 1696 in^3
22. 50 miles
23. 192 pigs
24. 500 ft^2
25. \$3250
26. $450l + 65c \leq 2500$
27. One burger cost \$2.50. A medium fry cost \$1.25.
28. \$630
29. \$110
30. \$140.50
31. \$136
32. \$1,376
33. 12%
34. 24.5%
35. A negative, linear relationship.
36. Online class: approximately normal. Face to face: negatively skewed.