

SAMPLE

Mathematics Test

1. If your Army pay is \$52.00 a month, how much will you earn in a year?
2. Your grades on 5 tests were 80%, 90%, 70%, 60% and 50%. What is the average of your 5 grades?
3. A dealer bought 3 loads of coal weighing 6,242 lbs., 28,394 lbs. and 143,686 lbs. How much did he buy in all?
4. It takes 5 lbs. of cement to cover 10 square feet. How many lbs. of cement will be needed to cover a rectangular area 25 ft. by 10 ft.?
5. Two machinists operating the same lathe, work 10 hours each on a day shift and on a night shift, respectively. One man turns out 400 pieces an hour, the other 600 pieces an hour. What will be the difference in their output at the end of 30 days?

6. If it takes 5 hours to do $\frac{2}{3}$ of a job, how long will it take to complete the job?

Find the decimal equivalent to the nearest thousandths of the following:

7. $\frac{3}{4}$
8. $\frac{28}{32}$
9. Find the average of the following set of numbers: 16, 22, 43, 67 & 88.
10. If one dozen nails costs \$2, what would 54 nails cost at the same rate?
11. A man drove a truck 256 miles on 11.8 gallons of gas. What was the mileage rate?
12. Multiply .214 by .303
13. Find the Celsius equivalent of 80 degrees Fahrenheit. Use the formula $C = \frac{5}{9}(F - 32)$
14. Subtract $17\frac{3}{4}$ from $26\frac{7}{16}$
15. Find $\frac{1}{2}$ of 1% of 190 tons.
16. 225 is 25% of what amount?
17. 120 is what percent of 240?
18. Subtract 3 ft. 4 inches from 12 ft. 2 inches
19. A pipe leaks at the rate of 6 gallons per hour for $36\frac{1}{2}$ hours. How many gallons of water were lost?
20. What number is the decimal equivalent of 27%?