

Math Tips, Tricks, Mental Calculations – Practice Sheet of Mystery and Wonder (Week 11)

1. (7) Sixty percent of the 30,000 spectators bought popcorn. How many spectators bought popcorn?
2. (8) The basketball player made 67 percent of his 300 free throws. How many free throws did he make?
3. (9) What number is 35% of 600?
4. (10) How much would a 15% tip come to on a bill of \$120?
5. (11) A woman buys a wig (made of genuine otter hair) for \$270. What is the total cost, including 8% sales tax?
6. (12) A basketball goal, originally \$400, is marked down 60%. What is the sale price?
7. (13) What is $\frac{5}{8}$ of 640?
8. (7) John fixed 70% of 120,000 pianos. How many pianos did he fix?
9. (8) Paul correctly played 72% of a possible 400 bass notes in a concert. How many correct notes did he play?
10. (9) 80 percent of what number is 72?
11. (10) George wrote 15% of his band's total of 420 songs. How many songs did George write?
12. (11) What is the total cost of a \$850 loan, if the lender charges 12% interest?
13. (12) How much is a \$830 motorcycle if it is discounted 20%?
14. (13) What is $\frac{2}{9}$ of 8,100?
15. (3) Richard found that 0.001 of the 60,000 drumsticks were broken. How many drumsticks were broken?
16. (4) Buddy practiced 9 out of a total of his 16 songs. What percent of his songs did he sing?
17. (9) One day Holly wore 92% of her 250 pairs of glasses. How many pairs of glasses did she wear that day?
18. (10) Peggy Sue didn't do her Math Tips & Tricks assignments each day. She then broke a nail, fell into a cement mixer, and got a 48% on her quiz. Convert this percent to a decimal and to a fraction (reduce it!).
19. (13) What is $\frac{11}{12}$ of 6,000?
20. (13) What is $\frac{7}{8}$ of 64,000?

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1. 18,000
2. 201
3. 210
4. \$18
5. \$291.60
6. \$160
7. 400
8. 84,000
9. 288
10. 90
11. 63
12. \$952
13. \$664
14. 1,800
15. 60
16. 56.25%
17. 230
18. 0.48; $48/100 \rightarrow 12/25$ (reduced)
19. 5,500
20. 56,000