

**Math Tips, Tricks, Mental Calculations – Practice Sheet of Mystery and Wonder (Week 4)**

1. $800 \cdot 300$
2. $450,000 \div 900$
3. $60,000 \cdot 0.7$
4. $36,000 \div 0.4$
5. $300,000 \cdot 0.02$
6. $9,000,000 \cdot 0.0008$
7. Convert 72.5% to a decimal and a fraction.
8. Convert $\frac{4}{5}$ to a decimal and a percent.
9. (a) $42 \cdot 7$ (b) $4,200 \cdot 0.7$
10. (a) Find 30 percent of 800. (b) Find 70 percent of 2,000.
11. Mike paid each of his 300 employees \$600 in one week. How much total money did he pay them that week?
12. A company made 250,000 toy bears for Christmas. How many on average did its 500 employees make?
13. Only 0.05 of the 6,000 tires went flat. How many tires went flat?
14. Susan ate $\frac{1}{8}$ of the brownies in the entire store. (a) What percent did she eat? (b) Convert this to a decimal.
15. Russ didn't do his math assignments each day. As a result, he fell and broke both his legs, then got a 37.5% on his quiz. Convert this percent to a decimal and to a fraction (reduce it!).
16. Truett gave chicken sandwiches to 20 percent of his 700 employees. How many got chicken sandwiches?
17. On a quiz, Jill got 70 percent of the 12,000 questions correct. How many did she get correct?
18. Every day for 8 days, Robert sold 62 turtles to the soup maker. How many turtles did he sell to the soup maker?
19. Carrie earned an average of \$74 per day for 7 days selling soup. How much money did she make?
20. Billy made 440 watches, using 0.3 ounces of gold in each one. How many total ounces of gold did he use?



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1. 240,000
2. 500
3. 42,000
4. 90,000
5. 6,000
6. 7,200
7. $.725$; $725/1000 \rightarrow 29/40$ (reduced)
8. $.8$; 80%
9. (a) 294 (b) 2940
10. (a) 240 (b) 1,400
11. \$180,000
12. 500
13. 300
14. 12.5%; $.125$
15. $.375$; $375/1000 \rightarrow 3/8$ (reduced)
16. 140
17. 8,400
18. 496
19. \$518
20. 132