Home School Partners

Math Tips, Tricks, Mental Calculations – Practice Sheet of Mystery and Wonder (Week 9)

1. 80,000 • 60

2. 990,000 ÷ 90

3. 1,200,000 • 0.05

4. 32,000 ÷ 0.8

5. 300,000 • 0.001

6. 8,000,000 • 0.0001

7. Convert 42.5% to a decimal and a fraction.

8. Convert 20/25 to a decimal and a percent.

9. (a)   26 • 7   (b)   2,600 • 0.7

10. (a)   Find 20 percent of 1,200.   (b)   Find 86 percent of 20,000.

11. What number is 12 percent of 600?

12. 55 percent of what number is 220?

13. 75 is what percent of 250?

14. Huey saves $70 per week for a car that cost $21,000. How many weeks does he have to save to buy the car?

15. Dewey found that 0.003 of the 20,000 essays had misspelled words. How many essays had misspelled words?

16. Louie drove 6 out of 15 hours on the trip. (a) Convert this to a decimal. (b) What percent of hours did he drive?

17. Donald bought a pair of pants, finally, for $18. What is the total cost of the pants, with 5% sales tax?

18. Daisy didn't do her Math Tips & Tricks assignments each day. She then fell into a pond, then got a 32.5% on her quiz. Convert this percent to a decimal and to a fraction (reduce it!).

19. Daffy saw an $80 hat marked "60 percent off." What was the sale price of the hat?

20. Elmer's roast duck dinner cost $45.72. How much should he tip the waiter if he wants to tip 15 percent?

1. 4,800,000

2. 11,000

3. 60,000

4. 40,000

5. 300

6. 800

7. .425; 425/1000 → 17/40 (reduced)

8. .8; 80%

9. (a) 182   (b) 1,820

10. (a) 240   (b) 17,200

11. 72

12. 400

13. 30%

14. 300

15. 60

16. .4; 40%

17. $18.90

18. .325; 325/1000 → 13/40 (reduced)

19. $32

20. $7 (approximately)