

## Home School Partners

### Math Tips, Tricks & Mental Calculations – Week 9

Day 1	Day 2	Day 3	Day 4
1. $50,000 \cdot 0.01$ (3) _____	1. $900,000 \div 100$ (1) _____	1. $50,000 \cdot 0.002$ (3) _____	1. $7,000,000 \div 700$ (1) _____
2. Convert $\frac{5}{6}$ to a decimal (to three digits) and a %. (4) _____	2. $480,000 \div 0.6$ (2) _____	2. Convert .675 to a % and a fraction. (4) _____	2. $630 \div 0.9$ (2) _____
3. $26 \cdot 5$ (5) _____	3. $33 \cdot 4$ (5) _____	3. $72 \cdot 8$ (5) _____	3. $56 \cdot 5$ (5) _____
4. $2.6 \cdot 0.5$ (6) _____	4. $33 \cdot 0.4$ (6) _____	4. $7.2 \cdot 800$ (6) _____	4. $.56 \cdot 5$ (6) _____
5. 50% of 300,000 (7) _____	5. 67% of 3,000 (8) _____	5. 90% of 90,000 (7) _____	5. 10% of 200,000 (7) _____
6. 46% of 2,000 (8) _____	6. 26% of what number is 13? (9) _____	6. 39% of 5,000 (8) _____	6. 65% of 4,000 (8) _____
7. 52% of what number is 104? (9) _____	7. 80 is what percent of 250? (9) _____	7. 16% of what number is 48? (9) _____	7. 60% of what number is 75? (9) _____
8. How much is a 15% tip on a \$62 bill? (10) _____	8. How much is a 15% tip on a \$400 bill? (10) _____	8. How much is a 15% tip on a \$64 bill? (10) _____	8. 40 is what percent of 250? (9) _____
9. Give the total cost of a \$40 pair of socks if sales tax is 8%. (11) _____	9. What is the total cost of a \$600 phone if sales tax is 7%? (11) _____	9. Give the total cost of a \$26 pen, including a 6% sales tax. (11) _____	9. How much is a 15% tip on a \$60 bill? (10) _____
10. Find the price of a \$500 couch, marked down 60%. (12) _____	10. How much is a \$70 coat if it's been discounted 30%? (12) _____	10. Hezekiah purchased a new flamethrower for 40% off the original price of \$2,300. How much did he pay? (12) _____	10. Give the total cost of a fancy \$30 wedding ring if an 8% sales tax is added. (11) _____

Math Tips, Tricks & Mental Calculations – Week 9 Key

Day 1	Day 2	Day 3	Day 4
1. 500	1. 9,000	1. 100	1. 10,000
2. .833, 83.3%	2. 800,000	2. 67.5%, 27/40	2. 700
3. 130	3. 132	3. 576	3. 280
4. 1.3	4. 13.2	4. 5,760	4. 2.8
5. 150,000	5. 2,010	5. 81,000	5. 20,000
6. 920	6. 50	6. 1,950	6. 2,600
7. 200	7. 32%	7. 300	7. 125
8. \$9.30	8. \$60	8. \$9.60	8. 16%
9. \$43.20	9. \$642	9. \$27.56	9. \$9
11. \$200	11. \$49	11. \$1,380	10. \$32.40

Reminder:  
Pop Quiz 8 is next week!