

## Home School Partners

### Math Tips, Tricks & Mental Calculations – Week 11

Day 1	Day 2	Day 3	Day 4
1. $8,000,000 \cdot 0.02$ (3) _____	1. $300,000 \cdot 70$ (1) _____	1. $40,000 \cdot 0.0008$ (3) _____	1. $300,000 \cdot 100$ (1) _____
2. Convert 22.5% to a decimal and a fraction. (4) _____	2. $800 \cdot 0.12$ (2) _____	2. Convert $57/80$ to a decimal (to 4 places) and a %. (4) _____	2. $3.3 \div 30$ (2) _____
3. $4.2 \cdot 7$ (6) _____	3. $96 \cdot 5$ (5) _____	3. $59 \cdot 3$ (5) _____	3. $84 \cdot 4$ (5) _____
4. 80% of 40,000 (7) _____	4. $96 \cdot 50$ (6) _____	4. $5.9 \cdot 300$ (6) _____	4. $84 \cdot 0.4$ (6) _____
5. 63% of 5,000 (8) _____	5. 71% of 6,000 (8) _____	5. 95% of 3,000 (8) _____	5. 31% of 5,000 (8) _____
6. 70% of what number is 84? (9) _____	6. 29 is what percent of 580? (9) _____	6. 18% of what number is 90? (9) _____	6. 30% of what number is 600? (9) _____
7. 26 is what percent of 130? (9) _____	7. How much is a 15% tip on a \$50 bill? (10) _____	7. How much is a 15% tip on a \$28 bill? (10) _____	7. 45 is what percent of 150? (9) _____
8. Give the total cost of a \$9 book if sales tax is 6%. (11) _____	8. What is the total cost of a \$140 table if sales tax is 4%? (11) _____	8. Give the total cost of a \$29 watch, with a 5% sales tax. (11) _____	8. How much is a 15% tip on a \$30 bill? (10) _____
9. Find the sale price of a \$110 printer discounted 20%. (12) _____	9. How much is a shirt, originally \$62, discounted 30%? (12) _____	9. A \$44 pair of shoes is discounted 10%. How much are they now? (12) _____	9. What is the total cost of a \$1200 bed, if sales tax is 4%? (11) _____
10. Find $2/5$ of 60. (13) _____	10. Find $3/7$ of 84. (13) _____	10. Find $5/12$ of 72. (13) _____	10. Find the sale price of a \$3,200 computer marked down 40%. (12) _____

Math Tips, Tricks & Mental Calculations – Week 11 Key

Day 1	Day 2	Day 3	Day 4
1. 160,000	1. 21,000,000	1. 32	1. 30,000,000
2. .225, 9/40	2. 96	2. .7125, 71.25%	2. 0.11
3. 29.4	3. 480	3. 177	3. 336
4. 32,000	4. 4,800	4. 1,770	4. 33.6
5. 3,150	5. 4,260	5. 2,850	5. 1,550
6. 120	6. 5%	6. 500	6. 2,000
7. 20%	7. \$7.50	7. \$4.20	7. 30%
8. \$9.54	8. \$145.60	8. \$30.45	8. \$4.50
9. \$88	9. \$43.40	9. \$39.60	9. \$1,248
10. 24	10. 36	10. 30	10. \$1,920

Reminder:  
Pop Quiz 10 is next week!