

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 7

Day 1	Day 2	Day 3	Day 4
1. $600 \cdot 0.04$ (3) _____	1. $12,000,000 \div 600$ (1) _____	1. $30,000 \cdot 0.003$ (3) _____	1. $60,000 \div 100$ (1) _____
2. Convert $\frac{3}{7}$ to a decimal (to three digits) and a %. (4) _____	2. $3,000 \cdot 0.8$ (2) _____	2. Convert $\frac{7}{9}$ to a decimal (to three digits) and a %. (4) _____	2. $810,000 \div 0.9$ (2) _____
3. $73 \cdot 8$ (5) _____	3. $88 \cdot 4$ (5) _____	3. $92 \cdot 4$ (5) _____	3. $74 \cdot 5$ (5) _____
4. $7.3 \cdot 0.8$ (6) _____	4. $.88 \cdot 0.4$ (6) _____	4. $9.2 \cdot 400$ (6) _____	4. $740 \cdot 50$ (6) _____
5. 90% of 60,000 (7) _____	5. 40% of 12,000 (7) _____	5. 70% of 11,000 (7) _____	5. $.74 \cdot 5$ (6) _____
6. 24% of 3,000 (8) _____	6. 27% of 2,000 (8) _____	6. 77% of 3,000 (8) _____	6. 40% of 11,000 (7) _____
7. 85% of what number is 34? (9) _____	7. 32% of what number is 24? (9) _____	7. 44% of what number is 66? (9) _____	7. 63% of 2,000 (8) _____
8. What number is 65% of 120? (9) _____	8. What number is 70% of 420? (9) _____	8. What number is 52% of 700? (9) _____	8. 75% of what number is 48? (9) _____
9. 66 is what percent of 220? (9) _____	9. 96 is what percent of 160? (9) _____	9. 42 is what percent of 105? (9) _____	9. What number is 88% of 125? (9) _____
10. How much is a 15% tip on a \$26 bill? (10) _____	10. How much is a 15% tip on a \$46 bill? (10) _____	10. How much is a 15% tip on a \$80 bill? (10) _____	10. Piety Grace made shoes from 80 of the 250 pumpkins. What percent of the pumpkins did she turn into shoes? (9) _____

Math Tips, Tricks & Mental Calculations – Week 7 Key

Day 1	Day 2	Day 3	Day 4
1. 24	1. 20,000	1. 90	1. 600
2. .428 (or .429), 42.9%	2. 2400	2. .777 (or .778), 77.8%	2. 900,000
3. 584	3. 352	3. 368	3. 370
4. 5.84	4. .352	4. 3,680	4. 37,000
5. 54,000	5. 4,800	5. 7,700	5. 3.7
6. 720	6. 540	6. 2,310	6. 4,400
7. 40	7. 75	7. 150	7. 1,260
8. 78	8. 294	8. 364	8. 64
9. 30%	9. 60%	9. 40%	9. 110
10. \$3.90	10. \$6.90	10. \$12	10. 32%

Reminder:
Pop Quiz 6 is next week!