

## Home School Partners

### Math Tips, Tricks & Mental Calculations – Week 3

Day 1	Day 2	Day 3	Day 4
1. $900 \cdot 3,000$ (1) _____	1. $400,000 \cdot 200$ (1) _____	1. $28 \cdot 7$ (5) _____	1. $42 \cdot 6$ (5) _____
2. $360,000 \div 600$ (1) _____	2. $630,000 \div 70$ (1) _____	2. $280 \cdot 70$ (5) _____	2. $4.2 \cdot 600$ (5) _____
3. $7,000 \cdot 0.6$ (2) _____	3. $50,000 \cdot 0.09$ (2) _____	3. $36,000 \div 90$ (1) _____	3. $8,000 \cdot 90,000$ (1) _____
4. $840 \div 1.2$ (2) _____	4. $720 \div 0.8$ (2) _____	4. $200,000 \cdot 0.001$ (3) _____	4. $800,000 \cdot 0.004$ (3) _____
5. $8,000 \cdot 0.02$ (3) _____	5. $60,000 \cdot 0.02$ (3) _____	5. $88,000 \div 1.1$ (2) _____	5. $84,000 \div 1.2$ (2) _____
6. $10,000 \cdot 0.05$ (3) _____	6. $1,000,000 \cdot 0.01$ (3) _____	6. $10,000 \cdot 0.006$ (3) _____	6. $100,000 \cdot 0.005$ (3) _____
7. Convert 12.5% to a decimal and a fraction. (4) _____	7. Convert 82.5% to a decimal and a fraction. (4) _____	7. Convert 44% to a fraction and a decimal. (4) _____	7. Convert 0.52 to a percent and a fraction. (4) _____
8. $84 \cdot 3$ (5) _____	8. $37 \cdot 6$ (5) _____	8. $74 \cdot 3$ (5) _____	8. $48 \cdot 4$ (5) _____
9. $8.4 \cdot 3$ (6) _____	9. $3.7 \cdot 6$ (6) _____	9. $0.74 \cdot 3$ (6) _____	9. $480 \cdot 4$ (6) _____
10. Jack laid 5,000 hairs end to end. Each hair was 0.004 feet long. How long was the line of hairs? (3) _____	10. Each box held 3.7 lbs. of lemons. How many lbs. of lemons are there in 600 boxes? (6) _____	10. Diana saw 0.375 of the birds on her newly washed car. Convert this to a percent and to a fraction. (4) _____	10. Chuck laid 16% of the foundation of the house. Convert this to a decimal and to a fraction. (4) _____

Math Tips, Tricks & Mental Calculations – Week 3 Key

Day 1	Day 2	Day 3	Day 4
1. 2,700,000	1. 80,000,000	1. 196	1. 252
2. 600	2. 9,000	2. 19,600	2. 2,520
3. 4,200	3. 4,500	3. 400	3. 720,000,000
4. 700	4. 900	4. 200	4. 3,200
5. 160	5. 1,200	5. 80,000	5. 70,000
6. 500	6. 10,000	6. 60	6. 500
7. .125, $\frac{1}{8}$	7. .825, $\frac{33}{40}$	7. $\frac{11}{25}$ , .44	7. 52%, $\frac{13}{25}$
8. 252	8. 222	8. 222	8. 192
9. 25.2	9. 22.2	9. 2.22	9. 1,920
10. 20 ft.	10. 2,220	10. 37.5%, $\frac{3}{8}$	10. .16, $\frac{4}{25}$

Reminder:  
Pop Quiz 2 is next week!