

## Home School Partners

### Math Tips, Tricks & Mental Calculations – Week 13

Day 1	Day 2	Day 3	Day 4
1. $54 \cdot 5$ ; $54 \div 5$ (14) _____	1. $1,200,000 \cdot 120$ (1) _____	1. $66 \cdot 5$ ; $66 \div 5$ (14) _____	1. $2,000,000 \cdot 80$ (1) _____
2. Find $\frac{2}{7}$ of 56. (13) _____	2. $1,100 \cdot 0.4$ (2) _____	2. Find $\frac{7}{8}$ of 64. (13) _____	2. $1,200 \cdot 1.1$ (2) _____
3. Find the price of a \$20 candy bar discounted 12%. (12) _____	3. Convert .85 to a % and a fraction (4) _____	3. How much is a \$640 computer discounted 30%? (12) _____	3. Convert .425 to a % and a fraction (4) _____
4. What is the total cost of a \$500 TV if sales tax is 8%? (11) _____	4. 29% of 3,000 (8) _____	4. What is the total cost of \$2,500 braces if sales tax is 5%? (11) _____	4. 76% of 5,000 (8) _____
5. How much is a 15% tip on a \$90 bill? (10) _____	5. 55 is what percent of 1,100? (9) _____	5. How much is a 15% tip on a \$48 bill? (10) _____	5. 75 is what percent of 120? (10) _____
6. 90 is what percent of 3,000? (9) _____	6. 210 is 60 percent of what number? (9) _____	6. 60 is what percent of 4,800? (9) _____	6. 48 is 15 percent of what number? (10) _____
7. 45% of what number is 180? (9) _____	7. What is the total cost of a \$34 jacket, with sales tax of 6%? (11) _____	7. 80% of what number is 2,800? (9) _____	7. What is the total cost of \$25 glasses if sales tax is 7%? (11) _____
8. 77% of 5,000 (8) _____	8. You get 80% off a \$42 turkey. What is the sale price? (12) _____	8. 43% of 6,000 (8) _____	8. A \$30 pair of jeans is marked down 45%. How much are the jeans? (12) _____
9. 20% of 9,000 (7) _____	9. Find $\frac{5}{6}$ of 72. (13) _____	9. 20% of 70,000 (7) _____	9. Find $\frac{5}{7}$ of 63. (13) _____
10. $9.4 \cdot 300$ (6) _____	10. $74 \cdot 5$ ; $74 \div 5$ _____	10. $8.5 \cdot 400$ (6) _____	10. $82 \cdot 5$ ; $82 \div 5$ (14) _____

Math Tips, Tricks & Mental Calculations – Week 13 Key

**Day 1**

1. 270; 10.8
2. 16
3. \$17.60
4. \$540
5. \$13.50
6. 3%
7. 400
8. 3,850
9. 1,800
10. 2,820

**Day 2**

1. 144,000,000
2. 440
3. 85%, 17/20
4. 870
5. 5%
6. 350
7. \$36.04
8. \$8.40
9. 60
10. 370; 14.8

**Day 3**

1. 330; 13.2
2. 56
3. \$448
4. \$2,625
5. \$7.20
6. 1.25%
7. 3,500
8. 2,580
9. 14,000
10. 3,400

**Day 4**

1. 160,000,000
2. 1,320
3. 42.5%, 17/40
4. 3,800
5. 62.5%
6. 320
7. \$26.75
8. \$16.50
9. 45
10. 410; 16.4

Reminder: Quiz 6 (Final)  
is next week!