

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 8

Day 1	Day 2	Day 3	Day 4
<p>1. $2,000 \cdot 0.03$ (3) _____</p> <p>2. Convert $7/11$ to a decimal (to three digits) and a %. (4) _____</p> <p>3. $46 \cdot 8$ (5) _____</p> <p>4. $4.6 \cdot 0.8$ (6) _____</p> <p>5. 60% of 700,000 (7) _____</p> <p>6. 36% of 8,000 (8) _____</p> <p>7. 45% of what number is 36? (9) _____</p> <p>8. 84 is what percent of 105? (9) _____</p> <p>9. How much is a 15% tip on a \$32 bill? (10) _____</p> <p>10. What is the total cost of an \$800 fancy coffee shop latté if sales tax is 7%? (11) _____</p>	<p>1. $110,000 \div 100$ (1) _____</p> <p>2. $540,000 \div 900$ (1) _____</p> <p>3. $28 \cdot 4$ (5) _____</p> <p>4. $.28 \cdot 0.4$ (6) _____</p> <p>5. 30% of 30,000 (7) _____</p> <p>6. 37% of 4,000 (8) _____</p> <p>7. 36% of what number is 27? (9) _____</p> <p>8. 56 is what percent of 280? (9) _____</p> <p>9. How much is a 15% tip on a \$300 bill? (10) _____</p> <p>10. What is the total cost of a \$600 guitar if the sales tax is 5%? (11) _____</p>	<p>1. $80,000 \cdot 0.001$ (3) _____</p> <p>2. Convert 96% to a decimal and a fraction. (4) _____</p> <p>3. $52 \cdot 9$ (5) _____</p> <p>4. $5.2 \cdot 900$ (6) _____</p> <p>5. 40% of 9,000 (7) _____</p> <p>6. 59% of 4,000 (8) _____</p> <p>7. 12% of what number is 72? (9) _____</p> <p>8. 70 is what percent of 175? (9) _____</p> <p>9. How much is a 15% tip on a \$20 bill? (10) _____</p> <p>10. What is the total cost of a \$400 set of tires if a 3% "tire tax" is added? (11) _____</p>	<p>Quiz 3!</p> <p>Take Quiz 3! Remember, do not use a calculator! Perform all of the calculations <i>mentally</i>.</p>

Math Tips, Tricks & Mental Calculations – Week 8 Key

Day 1

1. 60
2. .636, 63.6%
3. 368
4. 3.68
5. 420,000
6. 2,880
7. 80
8. 80%
9. \$4.80
10. \$856

Day 2

1. 1,100
2. 600
3. 112
4. .112
5. 9,000
6. 1,480
7. 75
8. 20%
9. \$45
10. \$630

Day 3

1. 80
2. .96, 24/25
3. 468
4. 4,680
5. 3,600
6. 2,360
7. 600
8. 40%
9. \$3
10. \$412

Day 4

Check your Quiz 3
against the key!

Reminder:
Pop Quiz 7 is next week!



Math Tips, Tricks, Mental Calculations – Quiz 3 (Week 8)
Use MENTAL MATH to find the answers to the below questions!

1. $300 \cdot 120$

2. $1,100 \cdot 800$

3. $1,200 \cdot 4,000$

4. $50,000 \cdot 7,000$

5. $49,000 \div 70$

6. $6,400 \div 80$

7. $5,400,000 \div 600$

8. $8,000 \cdot 0.4$

9. $1,100 \cdot 0.2$

10. $9,000 \cdot 1.1$

11. 7×0.5

12. $4,000 \times 0.7$

13. $5.6 \div 8$

14. $720 \div 0.6$

15. $54,000 \div 0.9$

16. Convert 96% to a decimal.

17. Convert 96% to a fraction (reduce it!).

18. Convert $7/25$ to a decimal.

19. Convert 65% to a fraction (reduce it!).

20. Convert $17/25$ to a percent.



Math Tips, Tricks, Mental Calculations – Quiz 3 (Week 8)
Use MENTAL MATH to find the answers to the below questions!

- | | | |
|-----------------------|-----|---|
| 36,000 | 1. | $300 \cdot 120$ |
| 880,000 | 2. | $1,100 \cdot 800$ |
| 4,800,000 | 3. | $1,200 \cdot 4,000$ |
| 350,000,000 | 4. | $50,000 \cdot 7,000$ |
| 700 | 5. | $49,000 \div 70$ |
| 80 | 6. | $6,400 \div 80$ |
| 9,000 | 7. | $5,400,000 \div 600$ |
| 3,200 | 8. | $8,000 \cdot 0.4$ |
| 220 | 9. | $1,100 \cdot 0.2$ |
| 9,900 | 10. | $9,000 \cdot 1.1$ |
| 3.5 | 11. | 7×0.5 |
| 2,800 | 12. | $4,000 \times 0.7$ |
| 0.7 | 13. | $5.6 \div 8$ |
| 1,200 | 14. | $720 \div 0.6$ |
| 60,000 | 15. | $54,000 \div 0.9$ |
| .96 | 16. | Convert 96% to a decimal. |
| 96/100 → 24/25 | 17. | Convert 96% to a fraction (reduce it!). |
| .28 | 18. | Convert 7/25 to a decimal. |
| 65/100 → 13/20 | 19. | Convert 65% to a fraction (reduce it!). |
| 68% | 20. | Convert 17/25 to a percent. |