

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 10

Day 1	Day 2	Day 3	Day 4
<p>1. $70,000 \cdot 0.03$ (3) _____</p> <p>2. Convert $\frac{1}{6}$ to a decimal (to three digits) and a %. (4) _____</p> <p>3. $66 \cdot 3$ (5) _____</p> <p>4. $6.6 \cdot 3$ (6) _____</p> <p>5. 40% of 800,000 (7) _____</p> <p>6. 58% of 4,000 (8) _____</p> <p>7. 62% of what number is 31? (9) _____</p> <p>8. How much is a 15% tip on a \$22 bill? (10) _____</p> <p>9. Give the total cost of a \$35 shirt if sales tax is 7%. (11) _____</p> <p>10. Calculate the price of an \$80 cell phone on sale for 10% off. (12) _____</p>	<p>1. $8,000,000 \div 200$ (2) _____</p> <p>2. $440,000 \div 1.1$ (2) _____</p> <p>3. $48 \cdot 5$ (5) _____</p> <p>4. $48 \cdot 50$ (6) _____</p> <p>5. 87% of 2,000 (8) _____</p> <p>6. 14% of what number is 280? (9) _____</p> <p>7. 65 is what percent of 500? (9) _____</p> <p>8. How much is a 15% tip on a \$70 bill? (10) _____</p> <p>9. What is the total cost of a \$1200 bike if the sales tax is 5%? (11) _____</p> <p>10. A haircut is \$18, but you have a 20% off coupon. How much is the sale price? (12) _____</p>	<p>1. $30,000 \cdot 0.009$ (3) _____</p> <p>2. Convert .135 to a % and a fraction. (4) _____</p> <p>3. $29 \cdot 5$ (5) _____</p> <p>4. $2.9 \cdot 500$ (6) _____</p> <p>5. 20% of 200,000 (7) _____</p> <p>6. 99% of 7,000 (8) _____</p> <p>7. 21% of what number is 84? (9) _____</p> <p>8. How much is a 15% tip on a \$44 bill? (10) _____</p> <p>9. Give the total cost of a \$45 book, including a 8% sales tax. (11) _____</p> <p>10. How much would a pair of \$84 glasses be if the pair is discounted 30%? (12) _____</p>	<p>Quiz 4!</p> <p>Take Quiz 4! Remember, do not use a calculator! Perform all of the calculations <i>mentally</i>.</p>

Math Tips, Tricks & Mental Calculations – Week 10 Key

Day 1

1. 2,100
2. .166 (or .167), 16.7%
3. 198
4. 19.8
5. 320,000
6. 2,320
7. 50
8. \$3.30
9. \$37.45
10. \$72

Day 2

1. 40,000
2. 400,000
3. 240
4. 2,400
5. 1,740
6. 2,000
7. 13%
8. \$10.50
9. \$1,260
10. \$14.40

Day 3

1. 270
2. 13.5%, 27/200
3. 145
4. 1,450
5. 40,000
6. 6,930
7. 400
8. \$6.60
9. \$48.60
10. \$58.80

Day 4

Check your Quiz 4
against the key!

Reminder:
Pop Quiz 9 is next week!



Math Tips, Tricks, Mental Calculations – Quiz 4 (Week 10)
Use MENTAL MATH to find the answers to the below questions!

1. $300 \cdot 110$

2. $1,200 \cdot 700$

3. $40,000 \cdot 8,000$

4. $6,300 \div 70$

5. $8,100,000 \div 900$

6. $6,000 \cdot 0.4$

7. $1,100 \cdot 0.8$

8. $9,000 \cdot 1.1$

9. 700×0.3

10. $4,000 \times 0.07$

11. $5.5 \div 11$

12. $720 \div 1.2$

13. Convert 88% to a decimal.

14. Convert 88% to a fraction (reduce it!).

15. Convert $\frac{8}{25}$ to a percent.

16. Convert 35% to a fraction (reduce it!).

17. 72×8

18. $7,200 \times 0.8$

19. Find 40 percent of 7,000.

20. What is 80 percent of 12,000?



Math Tips, Tricks, Mental Calculations – Quiz 4 (Week 10)
Use MENTAL MATH to find the answers to the below questions!

- | | | |
|--|-----|---|
| 33,000 | 1. | $300 \cdot 110$ |
| 840,000 | 2. | $1,200 \cdot 700$ |
| 320,000,000 | 3. | $40,000 \cdot 8,000$ |
| 90 | 4. | $6,300 \div 70$ |
| 9,000 | 5. | $8,100,000 \div 900$ |
| 2,400 | 6. | $6,000 \cdot 0.4$ |
| 880 | 7. | $1,100 \cdot 0.8$ |
| 9,900 | 8. | $9,000 \cdot 1.1$ |
| 210 | 9. | 700×0.3 |
| 280 | 10. | $4,000 \times 0.07$ |
| 0.5 | 11. | $5.5 \div 11$ |
| 600 | 12. | $720 \div 1.2$ |
| .88 | 13. | Convert 88% to a decimal. |
| $88/100 \rightarrow 22/25$ | 14. | Convert 88% to a fraction (reduce it!). |
| 32% | 15. | Convert $8/25$ to a percent. |
| $35/100 \rightarrow 7/20$ | 16. | Convert 35% to a fraction (reduce it!). |
| 576 | 17. | 72×8 |
| 5,760 | 18. | $7,200 \times 0.8$ |
| 2,800 | 19. | Find 40 percent of 7,000. |
| 9,600 | 20. | What is 80 percent of 12,000? |