

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 4

| Day 1 | Day 2 | Day 3 | Day 4 |
|--|--|---|---|
| <p>1. $200 \cdot 20,000$ (1) _____</p> <p>2. $7,000 \cdot 0.6$ (2) _____</p> <p>3. $60,000 \cdot 0.08$ (3) _____</p> <p>4. Convert 72.5% to a decimal and a fraction. (4) _____</p> <p>5. $38 \cdot 5$ (5) _____</p> <p>6. $3.8 \cdot 5$ (6) _____</p> <p>7. $3,800 \cdot 0.5$ (6) _____</p> <p>8. 60% of 400 (7) _____</p> <p>9. 70% of 2,000 (7) _____</p> <p>10. Larry sold 80% of the 2,000 used hankies. How many used hankies did he sell? (7) _____</p> | <p>1. $400,000 \cdot 200$ (1) _____</p> <p>2. $810 \div 0.9$ (2) _____</p> <p>3. $80,000 \cdot 0.0008$ (3) _____</p> <p>4. Convert 0.76 to a percent and a fraction. (4) _____</p> <p>5. $26 \cdot 7$ (5) _____</p> <p>6. $260 \cdot 7$ (6) _____</p> <p>7. $2.6 \cdot 0.7$ (6) _____</p> <p>8. 90% of 300 (7) _____</p> <p>9. 40% of 1,100 (7) _____</p> <p>10. Julie saved 42.5% on essential oils. Convert this to a decimal and to a fraction. (4) _____</p> | <p>1. $38 \cdot 7$ (5) _____</p> <p>2. $380 \cdot 70$ (5) _____</p> <p>3. $500,000 \cdot 0.0001$ (3) _____</p> <p>4. Convert 87.5% to a decimal and a fraction. (4) _____</p> <p>5. $82 \cdot 6$ (5) _____</p> <p>6. $8.2 \cdot 6$ (6) _____</p> <p>7. $820 \cdot 6$ (6) _____</p> <p>8. 30% of 5,000 (7) _____</p> <p>9. 20% of 11,000 (7) _____</p> <p>10. Bob saw 20% of the 12,000 people in the neighborhood. How many did he see? (7) _____</p> | <p>Quiz 1!</p> <p>Take Quiz 1! Remember, do not use a calculator! Perform all of the calculations <i>mentally</i>.</p> |

Math Tips, Tricks & Mental Calculations – Week 4 Key

Day 1

1. 4,000,000
2. 4,200
3. 4,800
4. .725, 29/40
5. 190
6. 19
7. 1,900
8. 240
9. 1,400
10. 1,600 pairs

Day 2

1. 80,000,000
2. 900
3. 64
4. 76%, 19/25
5. 182
6. 1,820
7. 1.82
8. 270
9. 440
10. .425, 17/40

Day 3

1. 266
2. 26,600
3. 50
4. .875, 7/8
5. 492
6. 49.2
7. 4,920
8. 1,500
9. 2,200
10. 2,400 people

Day 4

Check your Quiz 1
against the key!

Reminder:
Pop Quiz 3 is next week!



Math Tips, Tricks, Mental Calculations – Quiz 1 (Week 4)
Use MENTAL MATH to find the answers to the below questions!

- _____ 1. $80 \cdot 30$
- _____ 2. $90 \cdot 50$
- _____ 3. $400 \cdot 700$
- _____ 4. $60 \cdot 8,000$
- _____ 5. $500,000 \cdot 200$
- _____ 6. $810 \div 9$
- _____ 7. $840 \div 12$
- _____ 8. $6,400 \div 80$
- _____ 9. $56,000 \div 700$
- _____ 10. $108,000 \div 12$
- _____ 11. $8 \cdot 0.3$
- _____ 12. $70 \cdot 0.4$
- _____ 13. $600 \cdot 1.2$
- _____ 14. 11×0.8
- _____ 15. 900×0.6
- _____ 16. $63 \div 0.9$
- _____ 17. $5.4 \div 9$
- _____ 18. $4.2 \div 7$
- _____ 19. $640 \div 0.8$
- _____ 20. $24,000 \div 1.2$



Math Tips, Tricks, Mental Calculations – Quiz 1 (Week 4)
Use MENTAL MATH to find the answers to the below questions!

- | | | |
|--------------------|-----|---------------------|
| 2,400 | 1. | $80 \cdot 30$ |
| 4,500 | 2. | $90 \cdot 50$ |
| 280,000 | 3. | $400 \cdot 700$ |
| 480,000 | 4. | $60 \cdot 8,000$ |
| 100,000,000 | 5. | $500,000 \cdot 200$ |
| 90 | 6. | $810 \div 9$ |
| 70 | 7. | $840 \div 12$ |
| 80 | 8. | $6,400 \div 80$ |
| 80 | 9. | $56,000 \div 700$ |
| 9,000 | 10. | $108,000 \div 12$ |
| 2.4 | 11. | $8 \cdot 0.3$ |
| 28 | 12. | $70 \cdot 0.4$ |
| 720 | 13. | $600 \cdot 1.2$ |
| 8.8 | 14. | 11×0.8 |
| 540 | 15. | 900×0.6 |
| 70 | 16. | $63 \div 0.9$ |
| 0.6 | 17. | $5.4 \div 9$ |
| 0.6 | 18. | $4.2 \div 7$ |
| 800 | 19. | $640 \div 0.8$ |
| 20,000 | 20. | $24,000 \div 1.2$ |