

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 6

Day 1	Day 2	Day 3	Day 4
<p>1. $7,000 \cdot 0.02$ (3) _____</p> <p>2. Convert $11/12$ to a decimal (to three digits) and a %. (4) _____</p> <p>3. $64 \cdot 5$ (5) _____</p> <p>4. $6.4 \cdot 5$ (6) _____</p> <p>5. $6.4 \cdot 500$ (6) _____</p> <p>6. 90% of 400 (7) _____</p> <p>7. 82% of 4,000 (8) _____</p> <p>8. 20% of what number is 25? (9) _____</p> <p>9. What number is 35% of 80? (9) _____</p> <p>10. 40 is what percent of 250? (9) _____</p>	<p>1. $960,000 \div 1,200$ (1) _____</p> <p>2. $6,000 \cdot 0.4$ (2) _____</p> <p>3. $38 \cdot 5$ (5) _____</p> <p>4. $380 \cdot 50$ (6) _____</p> <p>5. $.38 \cdot 5$ (6) _____</p> <p>6. 60% of 2,000 (7) _____</p> <p>7. 43% of 3,000 (8) _____</p> <p>8. 40% of what number is 60? (9) _____</p> <p>9. What number is 72% of 75? (9) _____</p> <p>10. 72 is what percent of 90? (9) _____</p>	<p>1. $30,000 \cdot 0.05$ (3) _____</p> <p>2. Convert .35 to a % and a fraction. (4) _____</p> <p>3. $86 \cdot 3$ (5) _____</p> <p>4. $8.6 \cdot 3$ (6) _____</p> <p>5. $860 \cdot 30$ (6) _____</p> <p>6. 20% of 500 (7) _____</p> <p>7. 34% of 2,000 (8) _____</p> <p>8. 22% of what number is 110? (9) _____</p> <p>9. What number is 26% of 50? (9) _____</p> <p>10. Jack shelled 243 of the 300 peanuts before developing arthritis. What percent did he shell? (9) _____</p>	<p>Quiz 2!</p> <p>Take Quiz 2! Remember, do not use a calculator! Perform all of the calculations <i>mentally</i>.</p>

Math Tips, Tricks & Mental Calculations – Week 6 Key

Day 1

1. 140
2. .916 (or .917), 91.7%
3. 320
4. 32
5. 3,200
6. 360
7. 3,280
8. 125
9. 28
10. 16%

Day 2

1. 800
2. 2,400
3. 190
4. 19,000
5. 1.9
6. 1,200
7. 1,290
8. 150
9. 54
10. 80%

Day 3

1. 1,500
2. 35%, 7/20
3. 258
4. 25.8
5. 25,800
6. 100
7. 680
8. 500
9. 13
10. 81%

Day 4

Check your Quiz 2
against the key!

Reminder:
Pop Quiz 5 is next week!



Math Tips, Tricks, Mental Calculations – Quiz 2 (Week 6)
Use MENTAL MATH to find the answers to the below questions!

1. $60 \cdot 40$

2. $500 \cdot 90$

3. $120 \cdot 5,000$

4. $400,000 \cdot 600$

5. $45,000 \div 90$

6. $6,300 \div 7$

7. $5,600,000 \div 800$

8. $8 \cdot 0.6$

9. $700 \cdot 0.8$

10. $900 \cdot 1.2$

11. 11×0.5

12. 400×0.8

13. $4.9 \div 7$

14. $770 \div 0.7$

15. $36,000 \div 1.2$

16. Convert 48% to a decimal.

17. Convert 48% to a fraction (reduce it!).

18. Convert $14/25$ to a decimal.

19. Convert 87.5% to a fraction (reduce it!).

20. Convert $19/25$ to a percent.



Math Tips, Tricks, Mental Calculations – Quiz 2 (Week 6)
Use MENTAL MATH to find the answers to the below questions!

- | | | |
|-----------------------|-----|---|
| 2,400 | 1. | $60 \cdot 40$ |
| 45,000 | 2. | $500 \cdot 90$ |
| 600,000 | 3. | $120 \cdot 5,000$ |
| 240,000,000 | 4. | $400,000 \cdot 600$ |
| 500 | 5. | $45,000 \div 90$ |
| 900 | 6. | $6,300 \div 7$ |
| 7,000 | 7. | $5,600,000 \div 800$ |
| 4.8 | 8. | $8 \cdot 0.6$ |
| 560 | 9. | $700 \cdot 0.8$ |
| 1,080 | 10. | $900 \cdot 1.2$ |
| 5.5 | 11. | 11×0.5 |
| 320 | 12. | 400×0.8 |
| 0.7 | 13. | $4.9 \div 7$ |
| 1,100 | 14. | $770 \div 0.7$ |
| 30,000 | 15. | $36,000 \div 1.2$ |
| .48 | 16. | Convert 48% to a decimal. |
| 48/100 → 12/25 | 17. | Convert 48% to a fraction (reduce it!). |
| .56 | 18. | Convert 14/25 to a decimal. |
| 875/1000 → 7/8 | 19. | Convert 87.5% to a fraction (reduce it!). |
| 76% | 20. | Convert 19/25 to a percent. |