

Home School Partners

Math Tips, Tricks & Mental Calculations – Week 12

Day 1	Day 2	Day 3	Day 4
<p>1. $48 \cdot 5$; $48 \div 5$ (14) _____</p> <p>2. Find $\frac{7}{10}$ of 80. (13) _____</p> <p>3. Find the new price of a \$400 door marked down 28%. (12) _____</p> <p>4. What is the total cost of a \$320 bench if sales tax is 6%? (11) _____</p> <p>5. How much is a 15% tip on a \$36 bill? (10) _____</p> <p>6. 23 is what percent of 460? (9) _____</p> <p>7. 40% of what number is 104? (9) _____</p> <p>8. 34% of 6,000 (8) _____</p> <p>9. 30% of 400 (7) _____</p> <p>10. $8.6 \cdot 200$ (6) _____</p>	<p>1. $700,000 \cdot 70$ (1) _____</p> <p>2. $1,200 \cdot 0.9$ (2) _____</p> <p>3. Convert .875 to a % and a fraction (4) _____</p> <p>4. 47% of 3,000 (8) _____</p> <p>5. 75 is what percent of 1,500? (9) _____</p> <p>6. 48 is 40 percent of what number? (9) _____</p> <p>7. What is the total cost of a \$700 stereo if sales tax is 5%? (11) _____</p> <p>8. Find the price of a \$4000 car if it's on sale at 18% off. (12) _____</p> <p>9. Find $\frac{8}{11}$ of 99. (13) _____</p> <p>10. $62 \cdot 5$; $62 \div 5$ (14) _____</p>	<p>1. $26 \cdot 5$; $26 \div 5$ (14) _____</p> <p>2. Find $\frac{3}{8}$ of 96. (13) _____</p> <p>3. Find the new price of a \$60 pair of shoes discounted 26%. (12) _____</p> <p>4. What is the total cost of a \$3,000 car if the sales tax is 7%? (11) _____</p> <p>5. How much is a 15% tip on a \$22 bill? (10) _____</p> <p>6. 24 is what percent of 600? (9) _____</p> <p>7. 30% of what number is 2,400? (9) _____</p> <p>8. 23% of 8,000 (8) _____</p> <p>9. 60% of 300 (7) _____</p> <p>10. $5.4 \cdot 300$ (6) _____</p>	<p>Quiz 5!</p> <p>Take Quiz 5! Remember, do not use a calculator! Perform all of the calculations <i>mentally</i>.</p>

Math Tips, Tricks & Mental Calculations – Week 12 Key

Day 1

1. 240; 9.6
2. 56
3. \$288
4. \$339.20
5. \$5.40
6. 5%
7. 260
8. 2,040
9. 120
10. 1,720

Day 2

1. 49,000,000
2. 1,080
3. 87.5%, $\frac{7}{8}$
4. 1,410
5. 5%
6. 120
7. \$735
8. \$3280
9. 72
10. 310; 12.4

Day 3

1. 130; 5.2
2. 36
3. \$44.40
4. \$3,210
5. \$3.30
6. 4%
7. 8,000
8. 1,840
9. 180
10. 1,620

Day 4

Check your Quiz 5
against the key!

Reminder:
Pop Quiz 11 is next week!



Math Tips, Tricks, Mental Calculations – Quiz 5 (Week 12)
Use MENTAL MATH to find the answers to the below questions!

- _____ 1. $600 \cdot 120$
- _____ 2. $1,100 \cdot 400$
- _____ 3. $500,000 \cdot 80$
- _____ 4. $8,400 \div 120$
- _____ 5. $9,000,000 \div 100$
- _____ 6. $8,000 \cdot 0.7$
- _____ 7. $110,000 \cdot 0.2$
- _____ 8. $800 \cdot 1.1$
- _____ 9. $1,200 \times 0.3$
- _____ 10. $5,000 \times 0.02$
- _____ 11. $550 \div 1.1$
- _____ 12. $7,700 \div 110$
- _____ 13. Convert $\frac{4}{25}$ to a percent.
- _____ 14. Convert 82.5% to a fraction (reduce it!).
- _____ 15. 82×9
- _____ 16. $8,200 \times 90$
- _____ 17. Find 90 percent of 50,000.
- _____ 18. What is 30 percent of 120,000?
- _____ 19. How much is a 15% tip for a meal that costs \$12?
- _____ 20. Give the total cost of a \$130 baseball bat, including sales tax of 8%.



Math Tips, Tricks, Mental Calculations – Quiz 5 (Week 12)
Use MENTAL MATH to find the answers to the below questions!

- | | | |
|--|-----|---|
| 72,000 | 1. | $600 \cdot 120$ |
| 440,000 | 2. | $1,100 \cdot 400$ |
| 40,000,000 | 3. | $500,000 \cdot 80$ |
| 70 | 4. | $8,400 \div 120$ |
| 90,000 | 5. | $9,000,000 \div 100$ |
| 5,600 | 6. | $8,000 \cdot 0.7$ |
| 22,000 | 7. | $110,000 \cdot 0.2$ |
| 880 | 8. | $800 \cdot 1.1$ |
| 360 | 9. | $1,200 \times 0.3$ |
| 100 | 10. | $5,000 \times 0.02$ |
| 500 | 11. | $550 \div 1.1$ |
| 70 | 12. | $7,700 \div 110$ |
| 16% | 13. | Convert $\frac{4}{25}$ to a percent. |
| $\frac{825}{1000} \rightarrow \frac{33}{40}$ | 14. | Convert 82.5% to a fraction (reduce it!). |
| 738 | 15. | 82×9 |
| 738,000 | 16. | $8,200 \times 90$ |
| 45,000 | 17. | Find 90 percent of 50,000. |
| 36,000 | 18. | What is 30 percent of 120,000? |
| \$1.80 | 19. | How much is a 15% tip for a meal that costs \$12? |
| \$140.40 | 20. | Give the total cost of a \$130 baseball bat, including sales tax of 8%. |