

Quiz Review Study Guide

Name: _____
Date: _____
Class: _____

Simplify each of the expressions below.

1. $12 - 16 =$

2. $-5 + (-8) =$

3. $6 - (-4) =$

4. $9 + 3 =$

5. $-7 - 8 =$

6. $-2 - (-7) =$

7. $-5 + 8 + (-9) =$

8. $-4 - 1 - 2 =$

9. $3 + (-5) + 1 =$

10. $-5 + 3 - 8 =$

11. $4 - (-5) - (-3) =$

12. $-7 - (-5) + 12 =$

13. $4 + 3 - 13 =$

14. $-10 + 3 + 5 + (-6) =$

15. $9 - (-4) - 2 =$

16. $|17| =$

17. $|-12| =$

18. $-|-9| =$

19. $-|11| =$

20. $|6 + (-5)| =$

21. $|9 - 2| =$

22. $|-7 - 3| =$

23. $|-7| - |-3| =$

24. $|8| - |5| =$

25. $|-3| + |9| =$

26. $|-3 + 9| =$

27. $|8| - |12| =$

To Whom Did the Famous Chef Write Letters Every Week?

Multiply mentally, write your answer, and then mark it in the answer columns. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the right.

5	3	7	1	10	6	8	4	9	2
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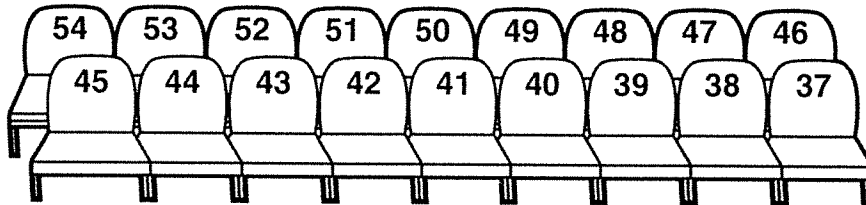
1	3.78×10 0.378×10 3.78×100	Answers: (A) 3.78 (P) 3,780 (L) 37.8 (V) 378	100×0.0058 10×0.0058 $1,000 \times 0.058$	Answers: (H) 58 (C) 0.058 (N) 5.8 (W) 0.58
2	0.61×10 0.61×100 6.1×100	Answers: (N) 61 (R) 6.1 (Y) 610 (S) 6,100	7.604×100 $76.04 \times 1,000$ 0.7604×10	Answers: (T) 7.604 (S) 76.04 (L) 760.4 (C) 76,040
3	$4.777 \times 1,000$ $4.77 \times 1,000$ $4.7 \times 1,000$	Answers: (E) 4,770 (T) 4,700 (I) 477 (O) 4,777	$0.3 \times 0.9 \times 10$ $0.3 \times 0.9 \times 100$ $0.3 \times 0.9 \times 1,000$	Answers: (P) 0.27 (D) 27 (N) 2.7 (G) 270
4	18.3×10 18.3×100 $18.3 \times 1,000$	Answers: (U) 183 (A) 18.3 (B) 1,830 (G) 18,300	$10 \times 0.6 \times 0.6$ $100 \times 0.9 \times 0.4$ $1,000 \times 1.2 \times 0.3$	Answers: (R) 3.6 (T) 360 (B) 36 (L) 3,600
5	10×0.092 $1,000 \times 0.92$ 100×92	Answers: (H) 9.2 (M) 0.92 (S) 920 (K) 9,200	$10 \times \$5.75$ $100 \times \$57.50$ $1,000 \times \$0.575$	Answers: (O) \$57.50 (I) \$575.00 (A) \$5.75 (U) \$5,750.00

A Trip to the Movies

This problem gives you the chance to:

- solve problems about seat numbers and rows in a theater
-

Three friends—Joe, Kris, and Lisa—decide to see the latest hit film. The theater is crowded, so they cannot sit together in the same row. The picture below shows the back two rows of seats in the theater. Each row has the same number of seats.



Joe sits in seat 51, which is in the back row.

1. How many rows are there in the theater? _____

Show your work.

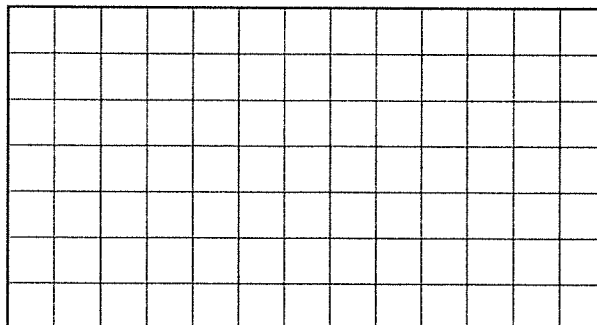
You may find it helpful to use the grid at the bottom of this page.

2. Kris sits exactly in front of Joe, but 4 rows closer to the screen.

What is Kris's seat number? Explain how you figured it out. _____

3. Joe sees Lisa 3 rows in front of him and 2 seats to his left.

What is Lisa's seat number? Explain your reasoning. _____



The following week Joe, Kris, and Lisa go to see a different film at a different theater.
This theater has more seats in each row.

The friends sit in the next-to-last row in seat numbers 100, 101, and 102.
Their seats are directly behind seats 88, 89, and 90.

4. Each row has the same number of seats.

How many seats are in each row at this theater? _____

Show your work.

You may find it helpful to use the grid at the bottom of this page.

5. How many rows are in the theater in all? _____

Explain how you figured it out.

6. How many seats are in the theater in all? _____

Explain your reasoning.

