**Directions:** Answer each question. Be sure to show your work. No work = no credit! (as in you will get no credit for doing this homework if only answers are circled and no work is shown).

1. Ms. Borst and Ms. Brophy are organizing the classroom library. The shelf is 3 feet long. If each book is ½ inch thick, how many books will fit completely on 2 shelves? (1 foot = 12 inches)
2. 6
3. 12
4. 72
5. 144
6. A 2 kg jar of jelly is used to make sandwiches for the senior trip. If the jar is used completely and the same amount of jelly was used on each sandwich, how many grams of jelly were used to make each of the 50 sandwiches? (1,000 g = 1 kg)
7. 1,000 grams
8. 2,000 grams
9. 40 grams
10. 25 grams
11. Which figure does not have 2 pairs of opposite and congruent sides?
12. Trapezoid
13. Square
14. Rectangle
15. Rhombus
16. The volume of Olivia’s lunchbox is 216 cubic inches. The length is twice the width, and the width is twice the depth. The depth is 3 cubic inches, what is the length?
17. 12 inches
18. 6 inches
19. 72 inches
20. 219 inches
21. Which expression represents the phrase “6 more than the product of 3 and 8”?
22. 6 + 3 x 8
23. 6 x (3 x 8)
24. 6 x 3 + 8
25. 6 + (8 x 3)
26. For the senior trip we will use 2 identical buses to travel to Club Getaway. Each bus holds 40 people. The first bus will be completely full. The second bus will only be 4/5 full.

* The first bus will be 7/8 full of students and the rest will be chaperones.
* The second bus will be 4/5 full.
* Of the passengers on the second bus ¼ are chaperones.

How many chaperones will be attending the senior trip in total?

1. 35 chaperones
2. 5 chaperones
3. 8 chaperones
4. 13 chaperones
5. Which expression is equivalent to 28?
6. 1 + 6(2 x 2)
7. 2 x 7(1 + 1)
8. 3 + 4(2 x 2)
9. 1 + 3(5 + 2)
10. There are 3 pounds of candy in a bowl. Added to the bowl are two bags of candy, one that weights 3/5 pounds and another that weighs 2/5 pounds. How many pounds of candy are in the bowl all together? If the candy bowl is shared equally among 20 students, how many pounds of candy will each person get?