Tutorial Set 3

Sample SAT problems (for high school students): Subtraction Set 1 for lower grade students: Solutions to Exercise 2

I. Sample SAT Problems

1)
What is the average (arithmetic mean) of 4x + 5, 7x-6,and -8x+2?

a. x + 1
b. x + 1/3
c. 3x + 1
d. 3x + 1/3
e. 3x + 3 1/3

2)
In a classroom of 35 students, 14 are male. What percent of the classroom is male?

a. 14%
b. 20%
c. 30%
d. 40%
e. 50%

3)
If the area of a triangle is 24 and its base is 6, what is the length of the altitude to that base?

a. 3
b. 6
c. 8
d. 10
e. unknown

4)
Lenny's average score after 3 tests is 88. What score on the 4th test would bring Lenny's average up to exactly 90?

a. 92
b. 93
c. 94
d. 95
e. 96

5)
If an integer is divisible by 6 and by 9, then the integer must be divisible by which of the following?

a. 12
b. 18
c. 24
d. 36
e. 54

6)
The equation x2 = 5x —4 has how many distinct real solutions?

a. 0
b. 1
c. 2
d. 3
e. Unknown

7)
A certain machine can make 3 widgets every 2 seconds. At this rate, how many widgets will be made in 1 minute?

a. 90
b. 110
c. 150
d. 180
e. 220

8)
If x + y < 10, and x - y > 12, which of the following pairs could be the values of x and y?

a. (2, 6)
b. (6, -4)
c. (8, -4)
d. (8, -6)
e. (10, -2)

II. Subtract Set 1

Subtraction Set 1

1. 11- 3 =	2. 13 - 9 =	3. 18- 7 =	4. 16 - 7 =	5. 14 - 6 =
6. 10 - 5 =	7. 18 - 9 =	8. 15 - 6 =	9. 13 - 8 =	10. 12 - 9 =
11. 9 - 4 =	12. 17 - 7 =	13. 10 - 6 =	14. 15 - 8 =	15. 19 - 7 =
16. 17 - 8 =	17. 16 - 6 =	18. 18 - 6 =	19. 17- 5 =	20. 14 - 7 =
21. 14 - 3 =	22. 19 - 4 =	23. 12 - 5 =	24. 16 - 9 =	25. 11 - 7 =

III. Solution to Tutorial Set 2

Answers: Addition Practice Set 1

1. 3+8 =	2. 9 + 4 = 13	3. 7+5 = 12	4. 7+9 = 16	5. 6+ 5 = 11
6. 5+8 =	7. 6 + 7 = 13	8. 6+9 = 15	9. 9+4 = 13	10. 5+ 7 = 12
11. 4+9 =	12. 7+9 = 16	13. 6+4 = 10	14. 8+7 = 15	15. 7+ 3 = 10
16. 8+8 =	17. 6 + 6 = 12	18. 9+9 = 18	19. 5+5 = 10	20. 7+ 7 = 14
21. 8+3 =	22. 4 + 9 = 13	23. 5+7 = 12	24. 9+7 = 16	25. 5+ 6 = 11

Answers: Multiplication Practice Set 1

1. 3 x 8 =	2. 9 x 4 = 36	3. 7 x 5 = 35	4. 7 x 9 = 63	5. 6 x 5 = 30
6. 5 x 8 =	7. 6 x 7 = 42	8. 6 x 9 = 54	9. 9 x 4 = 36	10. 5 x 7 = 35
11. 4 x 9 =	12. 7 x 9 = 63	13. 6 x 4 = 24	14. 8 x 7 = 56	15. 7 x 3 = 21
16. 8 x 8 =	17. 6 x 6 = 36	18. 9 x 9 = 81	19. 5 x 5 = 25	20. 7 x 7 = 49
21. 8 x 3 =	22. 4 x 9 = 36	23. 5 x 7 = 35	24. 9 x 7 = 63	25. 5 x 6 = 30