

Tutorial Exercise 5

Sample SAT problems (for high school students): Division Set 1 for lower grade students: (Solutions available on Friday)

SAT Set 2

1)

Stephanie drove at an average rate of 50 miles per hour for two hours and then increased her average rate by 50% for the next 3 hours. Her average rate of speed for the 5 hours was t miles per hour. What is the value of t ?

- 55 mph
- 60 mph
- 65 mph
- 70 mph
- 75 mph

2)

For all values of x , $(3x + 4)(4x - 3) =$

- $7x+1$
- $7x-12$
- $12x^2+7x-12$
- $12x^2-25x-12$
- $12x^2-12$

3)

If 6% of x is 7.5, then 36% of x equals

- 36
- 42
- 45
- 48
- 54

4)

In the sequence 4, 12, 36, x , 324 ... , what is the most likely value of x ?

- 64
- 108
- 136
- 184
- 276

