Math 4. Classwork 4.

Homework review

8. a) On the segment *AB* mark a point "*M"*. How many segments do we have on the picture?

(b) Mark a second point "*P"*. How many segments do we have now?

(c) Mark a third point "*F"*. Count segments.

(d) How many segments will be if you mark 5 points on the segment AB?

(e) How many segments will be if you mark 10 points on the segment AB?

* (f) How many segments will be if you mark 99 points on the segment AB?

Review:

1. The remainder of 1932 ÷ 17 is 11, the remainder of 261 ÷ 17 is 6.
   Is 2193 = 1932 + 261 divisible by 17?
   Can you tell without calculating and dividing?

2. If we want to divide *m* by 15, what numbers we can get as a remainder?

3. Farmer put green and red grapes into boxes. Each box contains 5lb of grapes. How many pounds of green and red grapes altogether did farmer put into boxes if he had 10 boxes of green and 8 boxes of red grapes?

Algebra

4. Factorize (represent as a product of 2 or more multiples) the following expressions:

Example: $3 \times 5 + 3 \times 7 = 3 \times (5 + 7)$

a. $2 \times 3 + 2 \times 5 =$
b. $3x + 3y =$
c. $5a + 5b + 5c =$
d. $ab + ac =$
e. $ma - mb =$
f. $ds + dk - dl =$

5. Open parenthesis using the distributive property of multiplication:

a. $a(x + y) =$
b. $2 \times (a + b) =$
c. $8(7y - 3) =$
d. $(a + 2) \times 5 =$

6. Andrew prepares for an ironman competition. He trains for 256 days. Each day he swims for 37 minutes and runs for 63 minutes. How many minutes does he spend doing these sports altogether?

Geometry

7. We proved that if 2 angles are vertical angles then they are equal. Can we tell that if 2 angles are equal, then they are vertical angels?

8. **Four** angles are formed at the intersection of 2 lines. One of them is 30°. What is the measure of 3 others?