Math 4b. Classwork 26.



1. Fill the missing numbers:

$$imes rac{27}{**8} + rac{**}{**8} + rac{126}{***} \\ rac{126}{***} + rac{126}{***} + rac{126}{***} \\ rac{126}{***} + rac{126}{**} + rac{126}{$$

- 2. A pool can be filled by the first pipe in 5 hours, by the second pipe in 6 hours, and by the third pipe in 8 hours. However, water from the fully filled pool can be drained in 10 hours. At 8 am, all three pipes were opened. After 2 hours, the second pipe was turned off, and 30 minutes later, the third pipe was turned off. At wat time the pull will be completely filled?
- 3. x,y,k are three distinct digits. If we add all six three-digit numbers that can be written using these digits without repeating any digit within a number, we get 5328. Find these digits.
- 4. How many 0 are at the end of the number

$$1 \cdot 2 \cdot 3 \cdot 4 \cdot 5 \cdot 6 \cdot 7 \cdot 8 \cdot 9 \cdot 10 \cdot 11 \cdot 12 \cdot 13 \cdot 14 \cdot 15$$

- 5. Seawater contains 5% salt. How many kilograms of fresh water must be added to 20 kg of seawater so that the salt content in the final mixture is 2%?
- 6. How can you cut off 21 m from a rope that is 32 m long without using any measuring devices?

7. Evaluate: 3)
$$5\frac{9}{14} - 3\frac{3}{14} : \left(1\frac{31}{35} + \frac{29}{30} + 1\frac{11}{42}\right) \cdot 4;$$
4) $\frac{5}{8} - \frac{3}{8} : \left(\frac{1}{16} + \frac{11}{36} + \frac{5}{48} + \frac{5}{18}\right) \cdot \frac{2}{3};$
5) $\left(8\frac{7}{12} - 2\frac{17}{36}\right) \cdot 2, 7 - 4\frac{1}{3} : 0,65;$

6)
$$\left(1\frac{11}{24} + \frac{13}{36}\right) \cdot 1,44 - \frac{8}{15} \cdot 0,5625.$$