

Math 5b, homework 14.



1. Write in extended (decimal) form numbers
 - a. 23.32; b. 213.2; c. 7.321;

2. Write number 21201_3 in 10-based (decimal) system.
3. Write the number 212 in ternary system.
4. Write the number 101101_b in decimal system.
5. Write the number 147 in binary system.
6. Do the addition of numbers:
 - a. $21321_4 + 3212_4$; b. $1012_3 + 2101_3$; c. $101101_2 + 110101_2$;

7. Do the subtraction:
 - a. $21321_4 - 3212_4$; b. $2012_3 - 1101_3$; c. $111110_2 - 110101_2$;

8. Represent as decimals:
$$\frac{2^4 \cdot 3^7 \cdot 5^3 \cdot 7^3 \cdot 11^1}{2^5 \cdot 3^7 \cdot 5^5 \cdot 7^2};$$

9. Draw a segment 8 cm long, 5 cm long, a square with the side 4 cm, a rectangle with sides 6 and 9 cm. (use ruler, pencil).
10. Draw two segments AB and CD in such way that they intersect
 - a. by a point
 - b. by a segment
 - c. don't intersect at all.