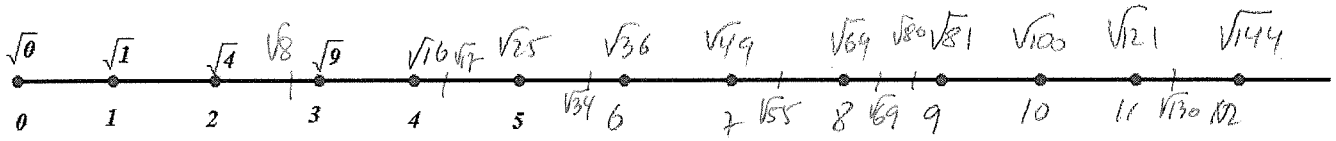
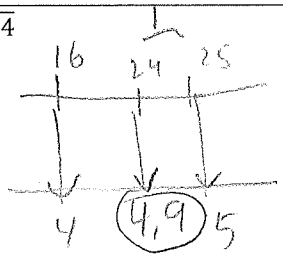
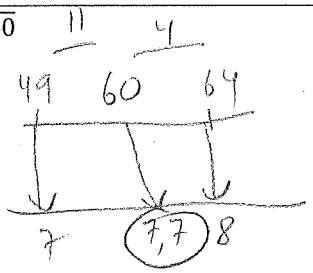
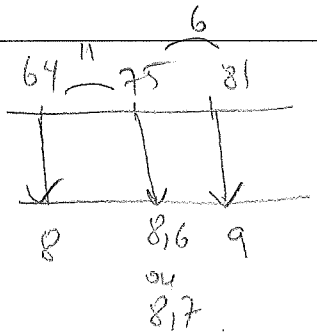
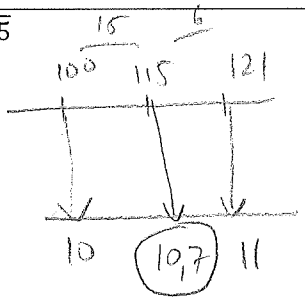
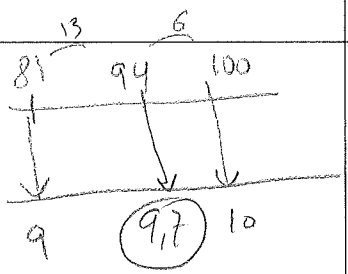
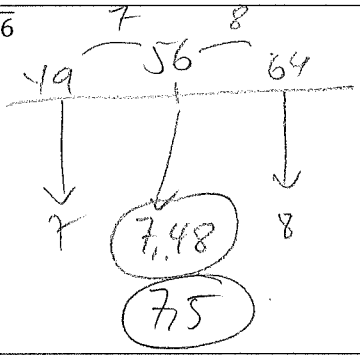
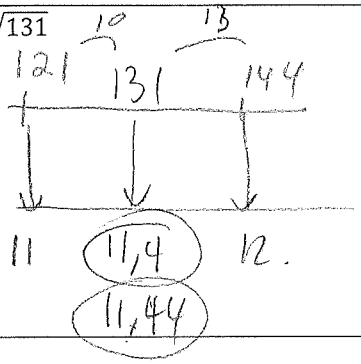
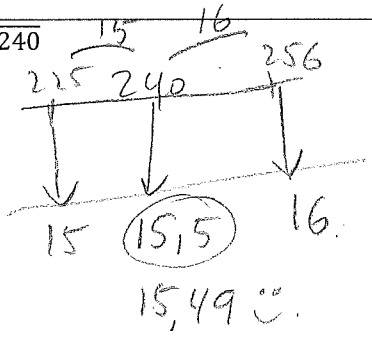
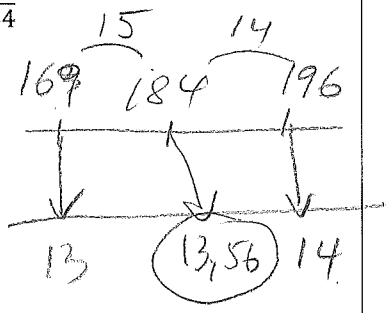
Racine carrée, estimations Nom_____Per__

1. Complète la droite numérique suivante, suivant la même régularité :



2. Sur la droite numérique à exercice 1, place les nombres $\sqrt{8}$, $\sqrt{17}$, $\sqrt{34}$ $\sqrt{55}$, $\sqrt{69}$, $\sqrt{80}$, $\sqrt{130}$

1. Estime les valeurs des racines suivantes, à la dixième près :

$\sqrt{24}$ 	$\sqrt{60}$ 	$\sqrt{75}$ 
$\sqrt{115}$ 	$\sqrt{94}$ 	$\sqrt{56}$ 
$\sqrt{131}$ 	$\sqrt{240}$ 	$\sqrt{184}$ 

13,5 ✓

13,6 ✓

3. Estime la valeur du côté du chaque carré ci-dessous à la dixième près :

$140u^2$ 11,8 u	$205u^2$ 14,3 u	$209u^2$ 14,4u ou 14,5u
$27\ u^2$ 5,2u	$56\ cm^2$ 7,48u ou 7,5u ou 7,4u.	$120\ u^2$ 10,9u

4. Donne des exemples de nombres dont la racine carrée se trouve entre…

5 *et* 6 26 → 35	12 *et* 13 145 → 168
15 *et* 16 226 → 255	8 *et* 9 65 → 80