

Notion 6**(exercices)****Utiliser la racine carrée****Exercice 1 :**

Effectuer les calculs mentalement :

$0^2 = \dots\dots\dots ; 1^2 = \dots\dots\dots ; 2^2 = \dots\dots\dots ; 3^2 = \dots\dots\dots ; 4^2 = \dots\dots\dots ; 5^2 = \dots\dots\dots ;$

$1^2 + 1^2 = \dots\dots\dots ; 2^2 + 3^2 = \dots\dots\dots ; 5^2 + 1^2 = \dots\dots\dots ; 3^2 + 4^2 = \dots\dots\dots ;$

$\sqrt{100} = \dots\dots\dots ; \sqrt{64} = \dots\dots\dots ; \sqrt{49} = \dots\dots\dots ; \sqrt{81} = \dots\dots\dots ; \sqrt{169} = \dots\dots\dots ;$

$\sqrt{\frac{9}{4}} = \dots\dots\dots ; \sqrt{\frac{36}{25}} = \dots\dots\dots ; \sqrt{\frac{121}{100}} = \dots\dots\dots$

Exercice 2 :

Trouver le nombre positif manquant mentalement :

a) $\dots\dots\dots^2 = 25$

d) $1^2 + \dots\dots\dots^2 = 50$

b) $\dots\dots\dots^2 = 10\,000$

e) $2^2 + \dots\dots\dots^2 = 20$

c) $\dots\dots\dots^2 = 400$

f) $\dots\dots\dots^2 = 0,01$

Exercice 3 :

Trouver le nombre manquant :

a) $\dots\dots\dots^2 = 625$

d) $\sqrt{256} = \dots\dots\dots$

b) $\dots\dots\dots^2 = 289$

e) $\sqrt{39,69} = \dots\dots\dots$

c) $\dots\dots\dots^2 = 0,04$

f) $\sqrt{0,0256} = \dots\dots\dots$

Exercice 4 :

En calculant mentalement, encadrer par deux nombres entiers consécutifs ces nombres :

a) $\dots\dots\dots < \sqrt{7} < \dots\dots\dots$

e) $\dots\dots\dots < \sqrt{42} < \dots\dots\dots$

b) $\dots\dots\dots < \sqrt{10} < \dots\dots\dots$

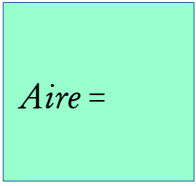
f) $\dots\dots\dots < \sqrt{2} < \dots\dots\dots$

c) $\dots\dots\dots < \sqrt{401} < \dots\dots\dots$

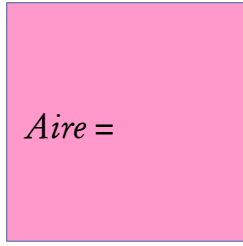
g) $\dots\dots\dots < \sqrt{90} < \dots\dots\dots$

d) $\dots\dots\dots < \sqrt{50} < \dots\dots\dots$

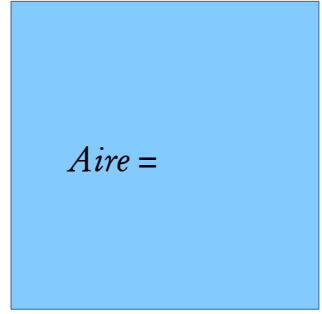
h) $\dots\dots\dots < \sqrt{27} < \dots\dots\dots$



côté =



côté =



côté =