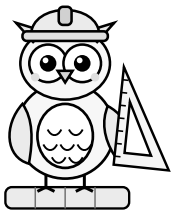
Nome : _____ Data : _____

PAPILUMO / Classe quarta (9–10 anni) • Soluzioni

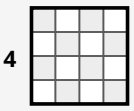
Quadrati, lato e radici quadrate

Trova il lato di ogni quadrato piastrellato, verifica lato × lato = area e calcola le sei radici quadrate.



Sacha il gufo architetto progetta cortili quadrati pieni di piastrelle. Aiutalo a scoprire la misura di ogni lato!

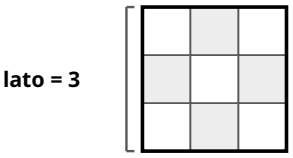
Esempio: un cortile quadrato di 16 piastrelle (4 × 4) ha il lato lungo 4.



Area = 16 quadretti → lato = 4 | $\sqrt{16} = 4$ (perché 4 × 4 = 16)

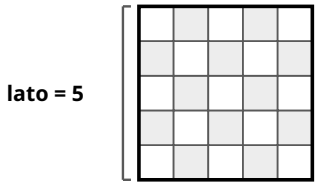
1. Trova il lato di ogni quadrato e verifica: lato × lato = area

A Area = 9 quadretti



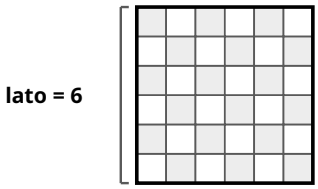
3 × 3 = 9

B Area = 25 quadretti



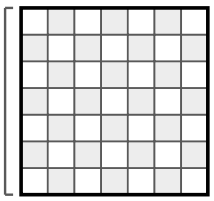
5 × 5 = 25

C Area = 36 quadretti



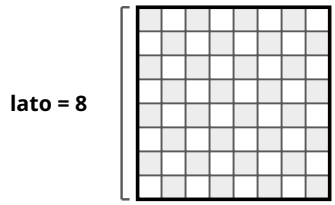
6 × 6 = 36

D Area = 49 quadretti



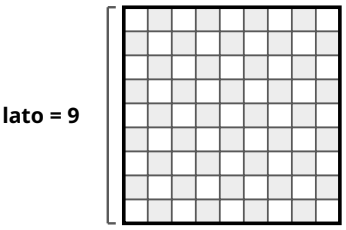
7 × 7 = 49

E Area = 64 quadretti



8 × 8 = 64

F Area = 81 quadretti



9 × 9 = 81

2. Calcola direttamente queste sei radici quadrate

1. $\sqrt{4} = 2$
2. $\sqrt{100} = 10$
3. $\sqrt{121} = 11$
4. $\sqrt{144} = 12$
5. $\sqrt{1} = 1$
6. $\sqrt{81} = 9$

Consiglio da architetto: cercare la radice quadrata significa trovare quale numero moltiplicato per sé stesso dà l'area.