

	CEIP SES CASES NOVES	
	CONTROL POTÈNCIES I ARRELS QUADRADES OPERACIONS I CÀLCUL: 5.1 / 5.2	

Nom: _____ Data: _____

1) Escriu en forma de producte i calcula:

- | | |
|---|---|
| • $7^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ | • $9^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ |
| • $3^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ | • $6^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ |
| • $8^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ | • $2^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ |
| • $5^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ | • $4^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ |

2) Calcula i completa:

- | | |
|--|--|
| • $3^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{9} = \boxed{\hspace{1cm}}$ | • $7^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{49} = \boxed{\hspace{1cm}}$ |
| • $4^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{16} = \boxed{\hspace{1cm}}$ | • $8^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{64} = \boxed{\hspace{1cm}}$ |
| • $5^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{25} = \boxed{\hspace{1cm}}$ | • $9^2 = \boxed{\hspace{1cm}} \triangleright \sqrt{81} = \boxed{\hspace{1cm}}$ |

3) Calcula i relaciona:

9^2	14^2	7^2	22^2	11^2
121	81	196	49	484

4) Calcula:

$\sqrt{196} = \underline{\hspace{2cm}}$	$\sqrt{49} = \underline{\hspace{2cm}}$	$\sqrt{121} = \underline{\hspace{2cm}}$	$\sqrt{484} = \underline{\hspace{2cm}}$	$\sqrt{81} = \underline{\hspace{2cm}}$
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5) Completa:

• $\sqrt{81} = \square$

• $\sqrt{\square} = 11$

• $\sqrt{\square} = 16$

• $\sqrt{\square} = 10$

• $\sqrt{144} = \square$

• $\sqrt{400} = \square$

• $\sqrt{49} = \square$

• $\sqrt{324} = \square$

• $\sqrt{\square} = 36$

6) Escriu el resultat de les següents potències:

$10^5 = \square$

$3 \times 10^3 = \square$

$10^6 = \square$

$6 \times 10^4 = \square$

7) Descompon i expressa com a potències de base 10:

$451 = \square \times \square^{\square} + \square \times \square^{\square} + \square$

$4.369 = \square \times \square^{\square} + \square \times \square^{\square} + \square \times \square^{\square} + \square$

8) Escriu a quins nombres corresponen aquestes descomposicions numèriques:

$5 \times 10^4 + 7 \times 10^3 + 2 \times 10^2 + 5 = \square$

$6 \times 10^2 + 8 \times 10^1 + 4 = \square$