

Potenser och prioriteringsregler

1 a) $3^3 - 5^2 =$ _____

b) $10^2 + 10^3 =$ _____

c) $(8 + 2)^2 =$ _____

d) $(3 \cdot 2)^2 =$ _____

2 a) $(12 - 4)^2 =$ _____

b) $(2 \cdot 0,5)^2 =$ _____

c) $\frac{2^2 \cdot 3^2}{10^2} = \frac{\quad \cdot \quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

d) $\frac{3^2 + 2^3}{10^1} = \frac{\quad + \quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3 a) $1 + 0,4^2 =$ _____

b) $(1 - 0,3)^2 =$ _____

c) $\left(\frac{1}{2}\right)^3 = \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad}$

d) $\left(\frac{1}{3}\right)^2 = \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4 a) $(1 + 3)^2 - 3^2 =$ _____

b) $2 \cdot (4 + 1)^2 =$ _____

c) $(5 - 2)^2 \cdot 2 =$ _____

d) $5^3 - (1 + 1)^3 =$ _____

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- 1 a) 2
b) 1 100
c) 100
d) 36
- 2 a) 64
b) 1
c) 0,36
d) 1,7
- 3 a) 1,16
b) 0,49
c) $\frac{1}{8}$
d) $\frac{1}{9}$
- 4 a) 7
b) 50
c) 18
d) 117