

Kvadrat och kvadratroter

1 a) $2^2 = \underline{\hspace{2cm}}$

b) $3^2 = \underline{\hspace{2cm}}$

c) $4^2 = \underline{\hspace{2cm}}$

2 a) $10^2 = \underline{\hspace{2cm}}$

b) $5^2 = \underline{\hspace{2cm}}$

c) $7^2 = \underline{\hspace{2cm}}$

3 a) $\sqrt{4} = \underline{\hspace{2cm}}$

b) $\sqrt{9} = \underline{\hspace{2cm}}$

c) $\sqrt{100} = \underline{\hspace{2cm}}$

4 a) $\sqrt{64} = \underline{\hspace{2cm}}$

b) $\sqrt{81} = \underline{\hspace{2cm}}$

c) $\sqrt{49} = \underline{\hspace{2cm}}$

5 a) $\sqrt{25} + 2^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b) $6^2 - \sqrt{16} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

c) $\sqrt{81} + \sqrt{9} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

d) $\sqrt{64} - \sqrt{36} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

6 a) $\frac{\sqrt{64}}{2} = \frac{\hspace{1cm}}{2} = \underline{\hspace{2cm}}$

b) $\frac{\sqrt{100}}{5} = \frac{\hspace{1cm}}{5} = \underline{\hspace{2cm}}$

c) $\frac{\sqrt{81}}{3} = \frac{\hspace{1cm}}{3} = \underline{\hspace{2cm}}$

7 a) $\sqrt{3} \cdot \sqrt{3} = \underline{\hspace{2cm}}$

b) $(\sqrt{2})^2 = \underline{\hspace{2cm}}$

c) $(2\sqrt{5})^2 = \underline{\hspace{2cm}}$

8 a) $\sqrt{3} \cdot \sqrt{12} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b) $\sqrt{50} \cdot \sqrt{\hspace{1cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

c) $6 \cdot \sqrt{25} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

9 a) $\frac{\sqrt{16}}{4} + \frac{\sqrt{25}}{5} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

b) $\frac{100}{\sqrt{25}} - \frac{\sqrt{100}}{2} = \underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

c) $\frac{\sqrt{9}}{3} + \frac{\sqrt{16}}{2} + 3 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

10 a) $\frac{\sqrt{50}}{\sqrt{2}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b) $\frac{\sqrt{90}}{\sqrt{10}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b) $\frac{\sqrt{64}}{\sqrt{16}} - \frac{\sqrt{100}}{\sqrt{25}} + 4^2 = \underline{\hspace{1cm}} - \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} - \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

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FACIT

1 a) 4

b) 9

c) 16

2 a) 100

b) 25

c) 49

3 a) 2

b) 3

c) 10

4 a) 8

b) 9

c) 7

5 a) 9

b) 32

c) 12

d) 2

6 a) 4

b) 2

c) 3

7 a) 3

b) 2

c) 20

8 a) 6

b) 10

c) 30

9 a) 2

b) 15

c) 6

10 a) 5

b) 3

b) 16