

Aufgabe 14

a)

$$1^2 = 1 \cdot 1 = 1$$

$$2^2 = 2 \cdot 2 = 4$$

$$3^2 = 3 \cdot 3 = 9$$

$$4^2 = 4 \cdot 4 = 16$$

$$5^2 = 5 \cdot 5 = 25$$

$$6^2 = 6 \cdot 6 = 36$$

$$7^2 = 7 \cdot 7 = 49$$

$$8^2 = 8 \cdot 8 = 64$$

$$9^2 = 9 \cdot 9 = 81$$

$$10^2 = 10 \cdot 10 = 100$$

$$11^2 = 11 \cdot 11 = 121$$

$$12^2 = 12 \cdot 12 = 144$$

$$13^2 = 13 \cdot 13 = 169$$

$$14^2 = 14 \cdot 14 = 196$$

$$15^2 = 15 \cdot 15 = 225$$

$$16^2 = 16 \cdot 16 = 256$$

$$17^2 = 17 \cdot 17 = 289$$

$$18^2 = 18 \cdot 18 = 324$$

$$19^2 = 19 \cdot 19 = 361$$

$$20^2 = 20 \cdot 20 = 400$$

b)

$$0,1^2 = 0,01$$

$$0,5^2 = 0,25$$

$$0,6^2 = 0,36$$

$$1,2^2 = 1,44$$

$$1,5^2 = 2,25$$

Aufgabe 15

a)

$$\begin{aligned} &6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} + \\ &6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} + 6,85 \text{ m} = 6,85 \text{ m} \cdot 10 \\ &= 68,5 \text{ m} \end{aligned}$$

b)

$$\begin{aligned} &2,045 \text{ kg} + 2,045 \text{ kg} + 2,045 \text{ kg} + \\ &2,045 \text{ kg} + 2,045 \text{ kg} = 2,045 \text{ kg} \cdot 5 \\ &= 2,045 \text{ kg} \cdot 10 : 2 \\ &= 20,45 \text{ kg} : 2 \\ &= 10,225 \text{ kg} \end{aligned}$$

c)

$$\begin{aligned} &0,67 \text{ €} + 0,67 \text{ €} + 0,67 \text{ €} + 0,67 \text{ €} + 0,67 \text{ €} + \\ &0,67 \text{ €} + 0,67 \text{ €} + 0,67 \text{ €} + 0,67 \text{ €} = 0,67 \text{ €} \cdot 9 \\ &= 0,67 \text{ €} \cdot 10 - 0,67 \text{ €} \\ &= 6,7 \text{ €} - 0,67 \text{ €} \\ &= 6,03 \text{ €} \end{aligned}$$

d)

$$\begin{aligned}7,034 + 7,034 + 7,034 + 7,034 + 7,034 &= 7,034 \cdot 5 \\ &= 7,034 \cdot 10 : 2 \\ &= 70,34 : 2 \\ &= 35,17\end{aligned}$$