**1.** Schreibe die gefärbten Anteile als Bruch.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **a)** |  | **b)** |  | **c)** |  | **d)** |  |
|  | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_ |  | rot: \_\_\_\_\_\_\_\_  blau: \_\_\_\_\_\_  grün: \_\_\_\_\_\_ |  | rot: \_\_\_\_\_\_\_\_  blau: \_\_\_\_\_\_  grün: \_\_\_\_\_\_ |

**2.** Schreibe die Anteile der roten und schwarzen Kugeln an allen Kugeln im Behälter jeweils als Bruch.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **a)** | \_\_\_\_\_\_ rote Kugeln von \_\_\_\_\_\_ Kugeln:   |  |  |  | | --- | --- | --- | |  | = |  | | 10 | 5 |   \_\_\_\_\_ schwarze Kugeln von \_\_\_\_\_ Kugeln:   |  |  |  | | --- | --- | --- | |  | = |  | | 10 | 5 | | **b)** | \_\_\_\_\_\_ rote Kugeln von \_\_\_\_\_\_ Kugeln:   |  |  |  | | --- | --- | --- | |  | = |  | |  |  |   \_\_\_\_\_ schwarze Kugeln von \_\_\_\_\_ Kugeln:   |  |  |  | | --- | --- | --- | |  | = |  | |  |  | |

**3.** Berechne.

**a)** von 16 Mädchen: \_\_\_\_ Mädchen von 16 Mädchen: \_\_\_\_ Mädchen

**b)** von 50 Jungen: \_\_\_\_ Jungen von 50 Jungen: \_\_\_\_ Jungen

**c)** von 27 Befragten: \_\_\_\_ Befragte von 27 Befragten: \_\_\_\_ Befragte

**d)** von 10 cm: \_\_\_\_ cm  **e)**  von 42 cm: \_\_\_\_ cm  **f)** von 54 cm: \_\_\_\_ cm

**4.** Ordne jedem Bruch eine Dezimalzahl zu.

|  |  |
| --- | --- |
|  | \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_ = \_\_\_\_\_  \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_ = \_\_\_\_\_  \_\_\_\_\_ = \_\_\_\_\_ |

**5.** Schreibe als Bruch oder als Dezimalzahl.

**a)**0,1= \_\_\_\_\_\_\_\_ **b)** = \_\_\_\_\_\_\_\_ **c)** 0,29 = \_\_\_\_\_\_\_\_

**d)** = \_\_\_\_\_\_\_\_ **e)** 0,215 = \_\_\_\_\_\_\_\_ **f)** = \_\_\_\_\_\_\_\_

**g)** = \_\_\_\_\_\_\_\_ **h)** 0,037 = \_\_\_\_\_\_\_\_

**6.** Wandle die Dezimalzahlen in Brüche um und kürze so weit wie möglich.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **a)** | 0,4 | = |  | = |  |  | **b)** | 0,8 | = |  | = |  |
|  |  |  |  |
|  | | | | | | | | | | | | |
| **c)** | 0,22 | = |  | = |  |  | **d)** | 0,35 | = |  | = |  |
|  |  |  |  |  |
|  | | | | | | | | | | | | |
| **e)** | 0,06 | = |  | = |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**7.** Wandle die Brüche durch Erweitern oder Kürzen in Dezimalzahlen um.

**a)** = \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

**b)** = \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_

**8.** Tobias und Max haben in der Grundschule diese Zeugnisnoten erreicht. Berechne jeweils den Notendurchschnitt.

Tobias: 1; 2; 3; 3; 1; 2 Max: 3; 4; 4; 1; 1; 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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