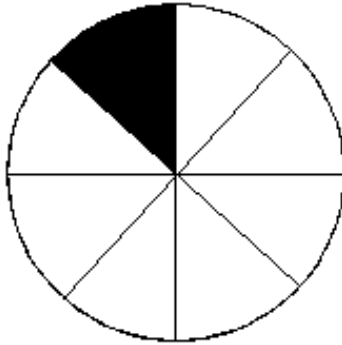
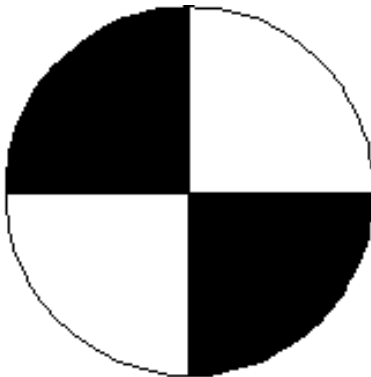


## Bruchrechnen - Lernkarte 1



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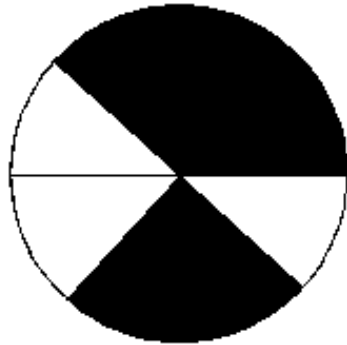


$$\frac{1}{8} + \frac{2}{4} = \frac{1}{8} + \frac{4}{8} = \frac{5}{8}$$

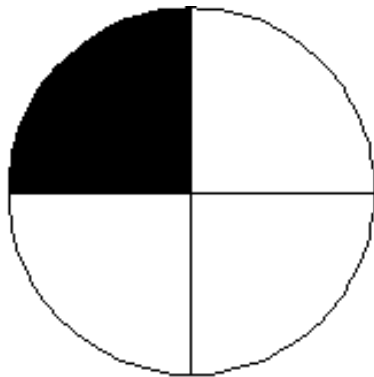
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 2



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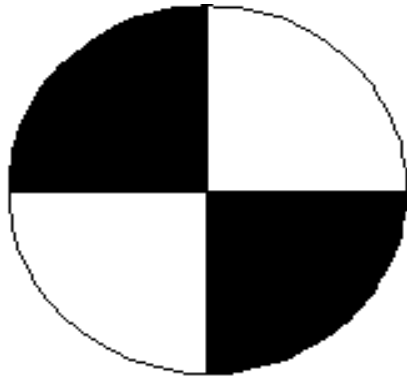


$$\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

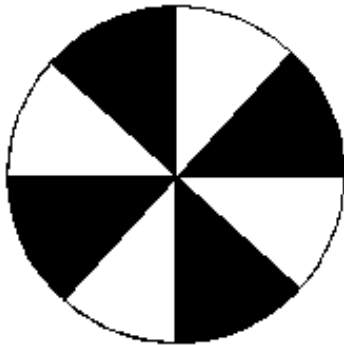
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 3



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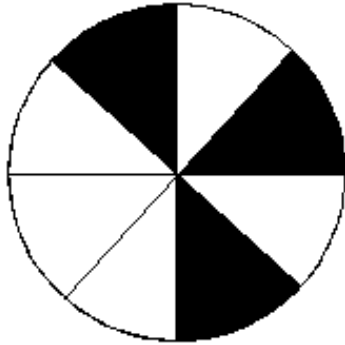


$$\frac{2}{4} + \frac{4}{8} = \frac{1}{2} + \frac{1}{2} = 1$$

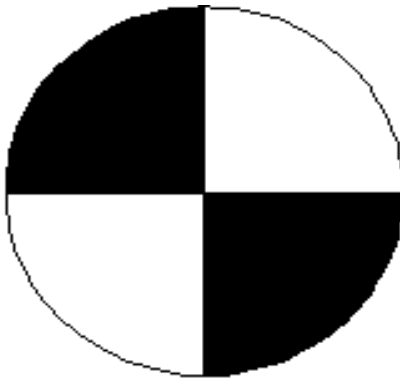
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 4



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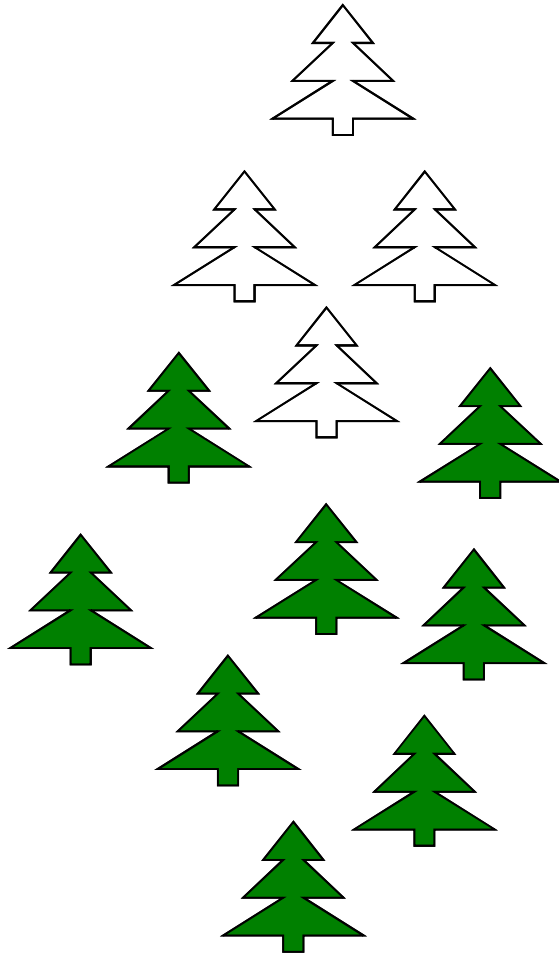


$$\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 5

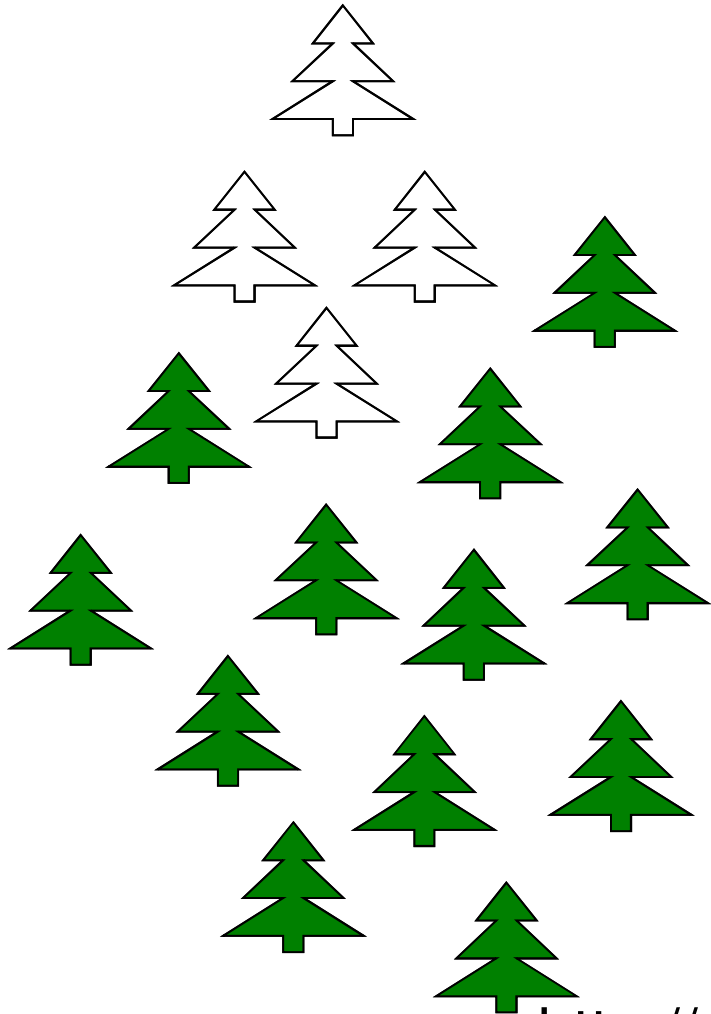


$$= \frac{8}{12} = \frac{2}{3}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 6

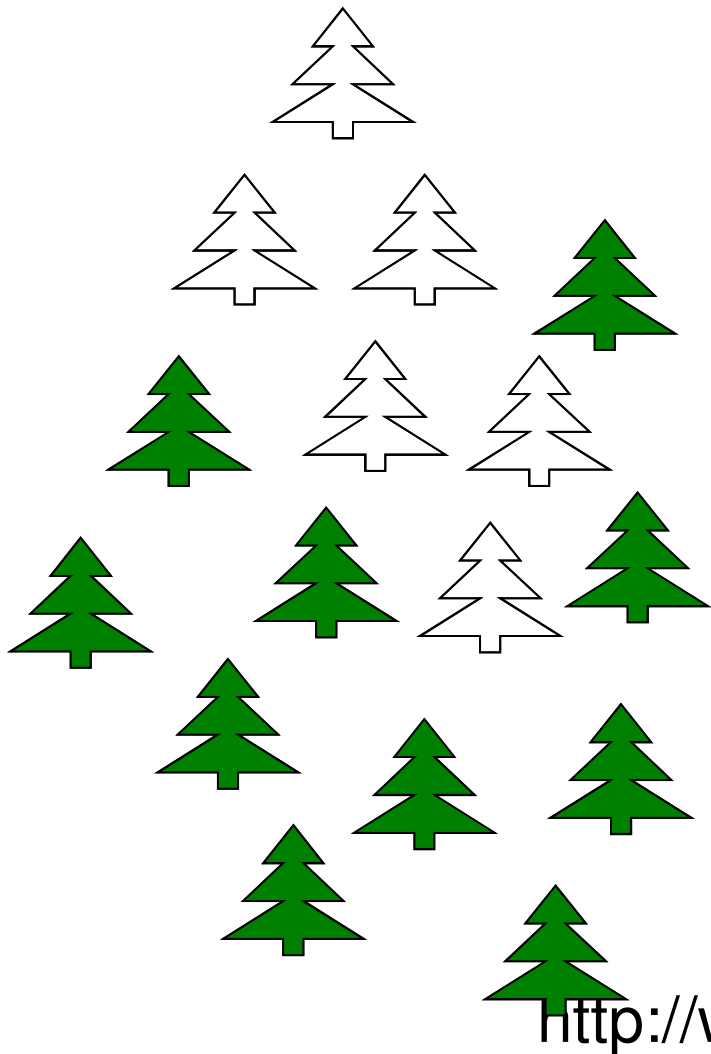


$$= \frac{12}{16} = \frac{3}{4}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 7

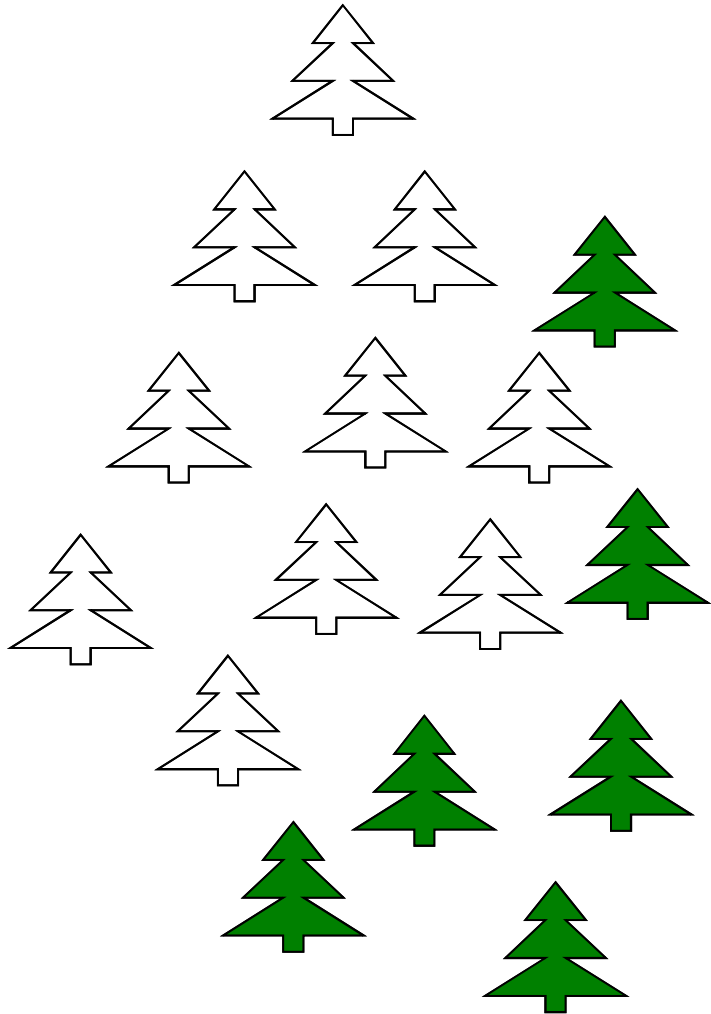


$$= \frac{10}{16} = \frac{5}{8}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 8



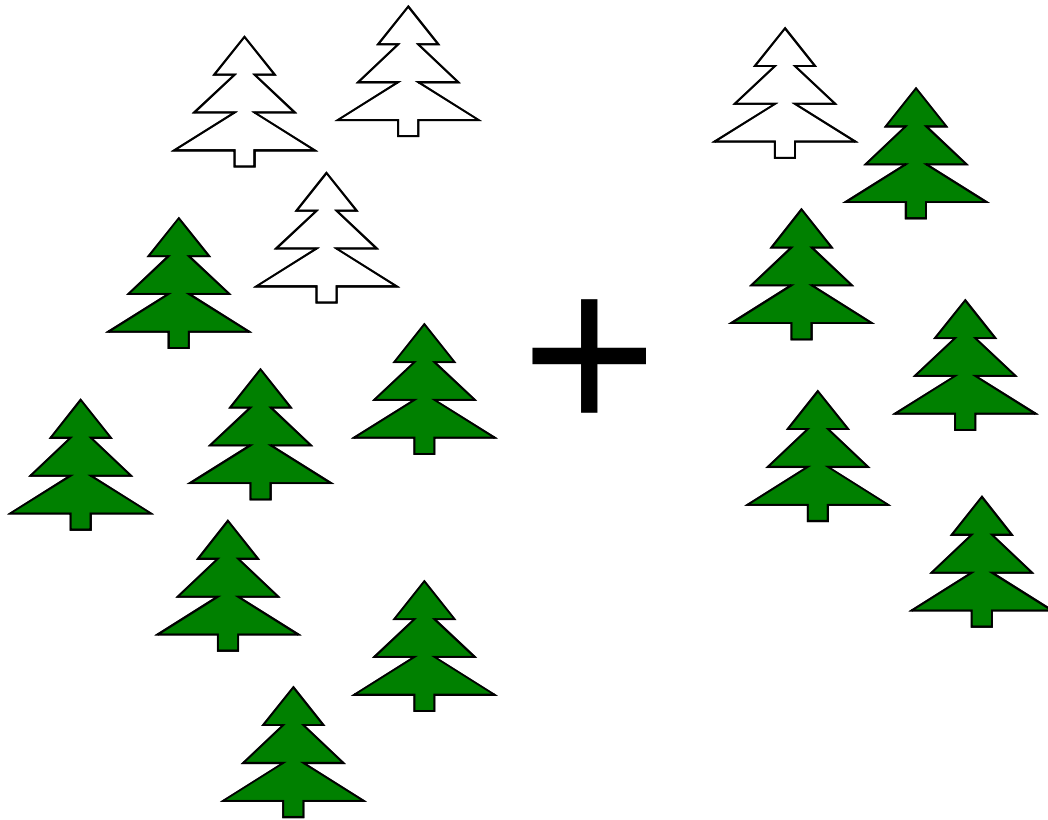
$$= \frac{6}{16} = \frac{3}{8}$$

<http://www.mathefritz.de>

**Lösung**

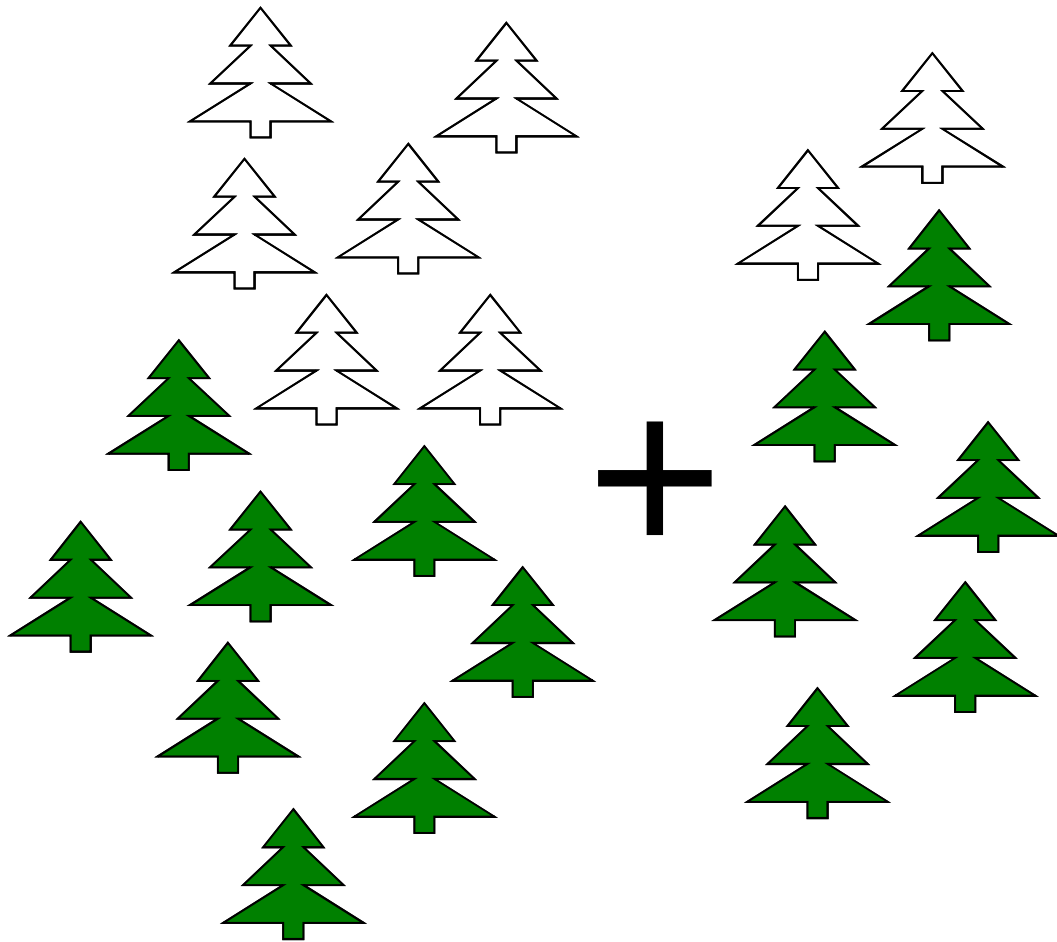


## Bruchrechnen - Lernkarte 9



$$\begin{aligned}\frac{7}{10} + \frac{5}{6} &= \frac{21}{30} + \frac{25}{30} \\ &= \frac{46}{30} = \frac{23}{15} = 1\frac{8}{15}\end{aligned}$$

## Bruchrechnen - Lernkarte 10

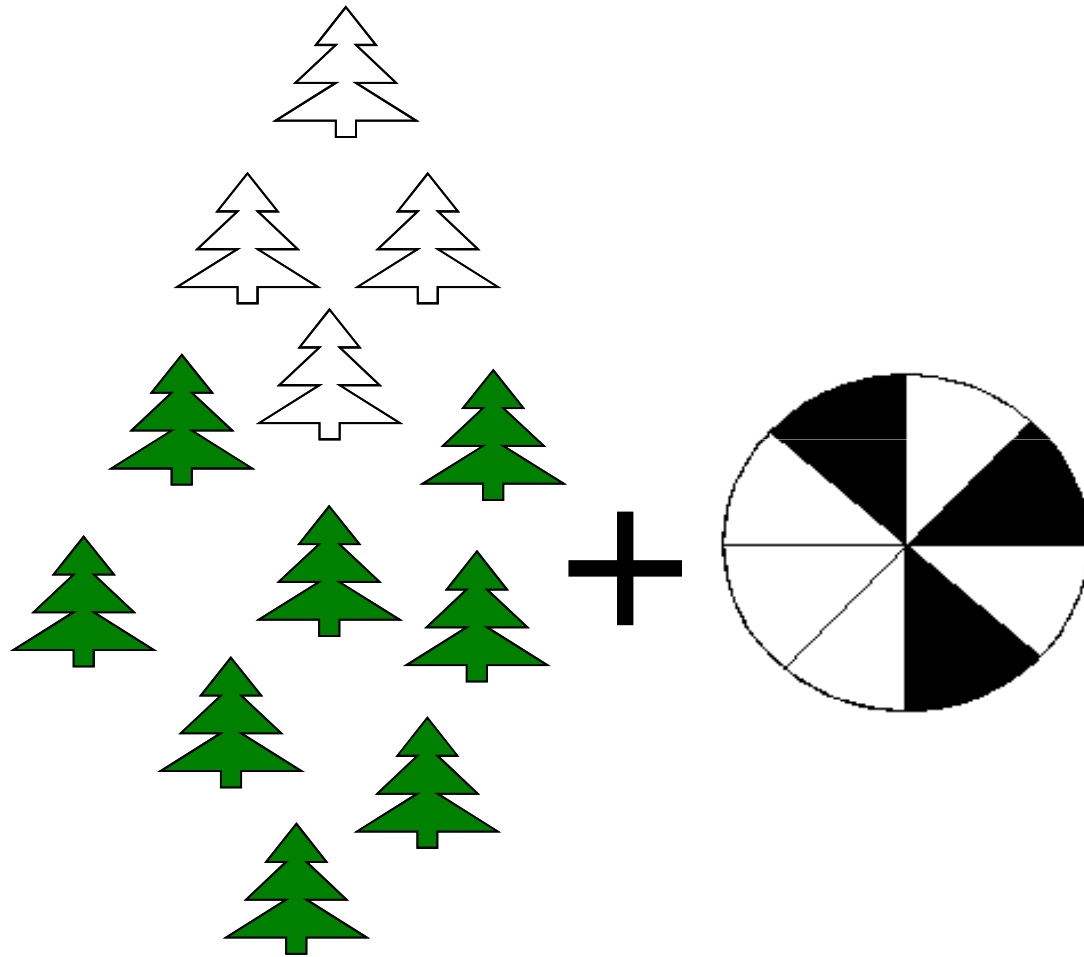


$$\begin{aligned}\frac{8}{14} + \frac{6}{8} &= \frac{32}{56} + \frac{42}{56} \\ &= \frac{74}{56} = \frac{37}{28} = 1\frac{9}{28}\end{aligned}$$

<http://www.mathefritz.de>

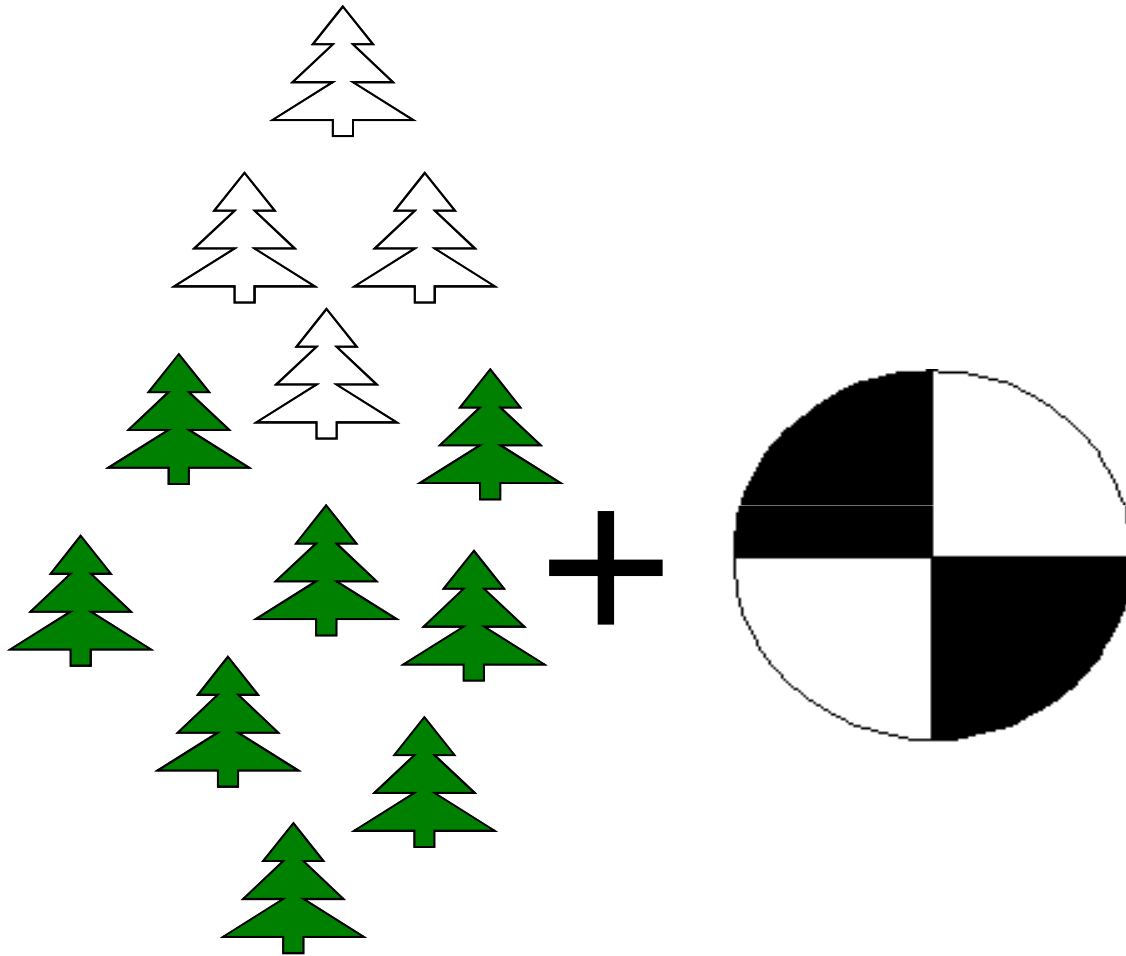
# Lösung

## Bruchrechnen - Lernkarte 11



$$\begin{aligned}\frac{8}{12} + \frac{3}{8} &= \frac{16}{24} + \frac{9}{24} \\ &= \frac{25}{24} = 1\frac{1}{24}\end{aligned}$$

## Bruchrechnen - Lernkarte 12



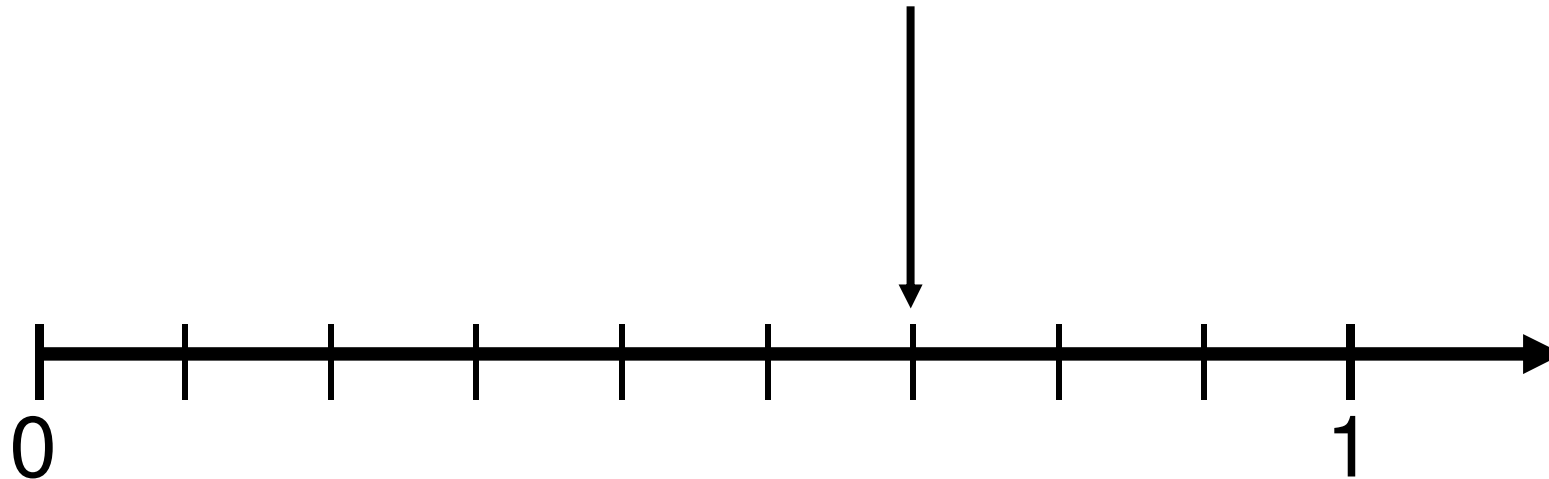
$$\begin{aligned}\frac{8}{12} + \frac{6}{12} &= \frac{14}{12} \\ &= \frac{7}{6} = 1\frac{1}{6}\end{aligned}$$

<http://www.mathefritz.de>

**Lösung**

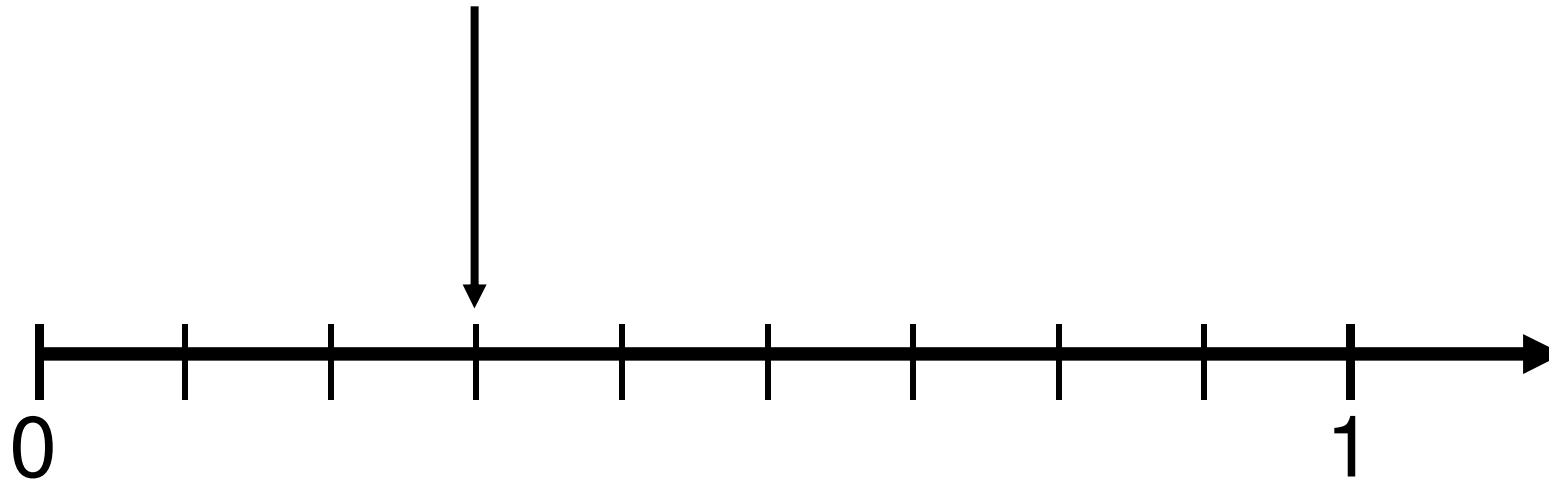
## Bruchrechnen - Lernkarte 13

$$\frac{6}{9} = \frac{2}{3}$$

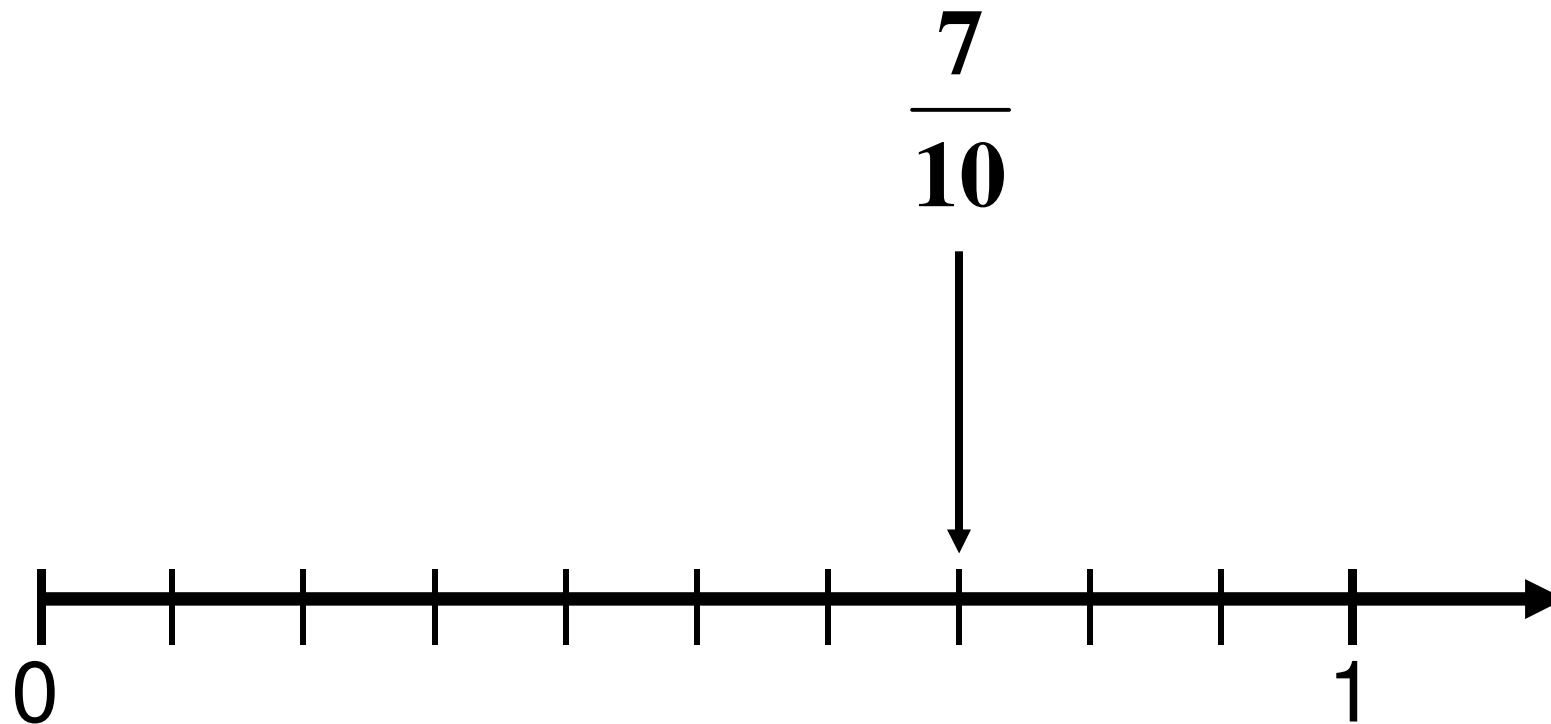


## Bruchrechnen - Lernkarte 14

$$\frac{3}{9} = \frac{1}{3}$$

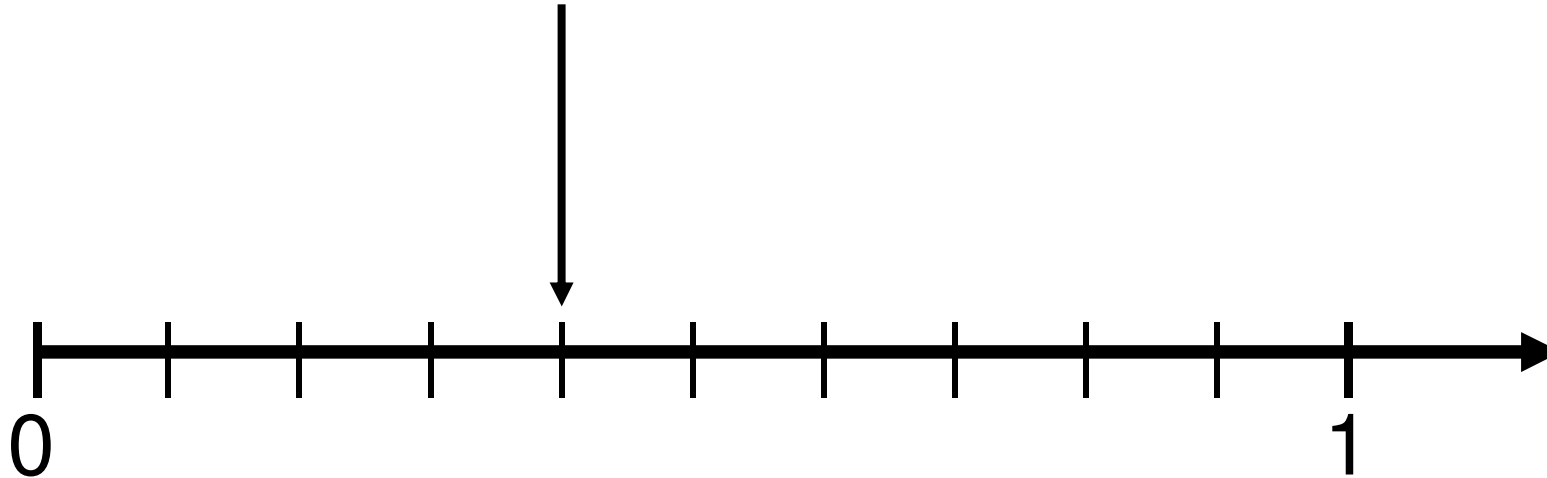


## Bruchrechnen - Lernkarte 15



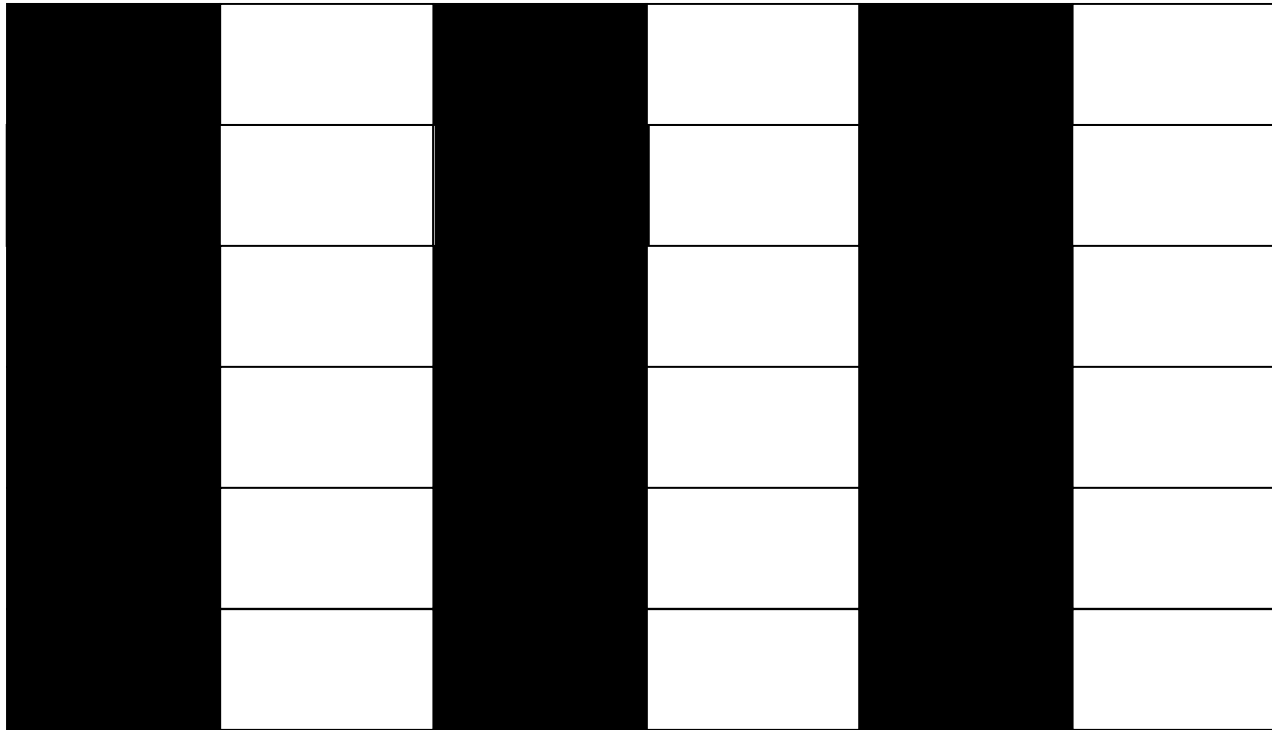
## Bruchrechnen - Lernkarte 16

$$\frac{4}{10} = \frac{2}{5}$$





## Bruchrechnen - Lernkarte 17

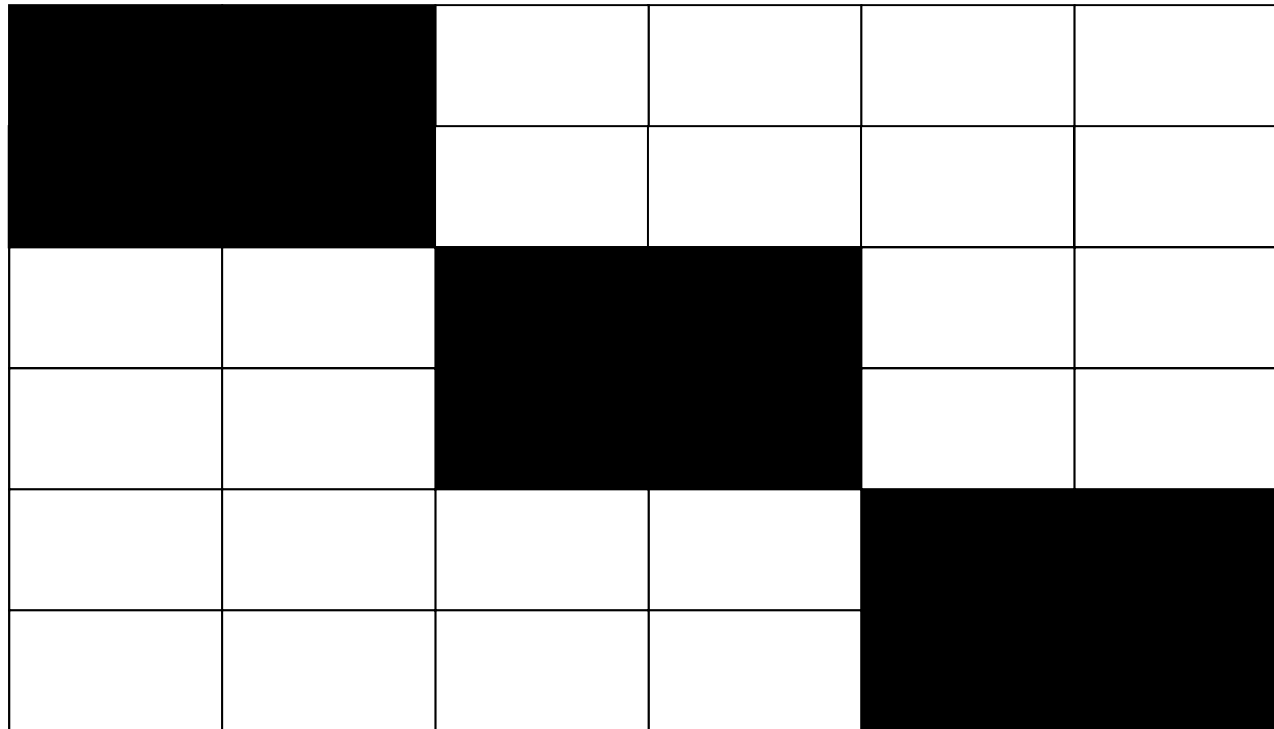


$$= \frac{1}{2}$$

<http://www.mathefritz.de>

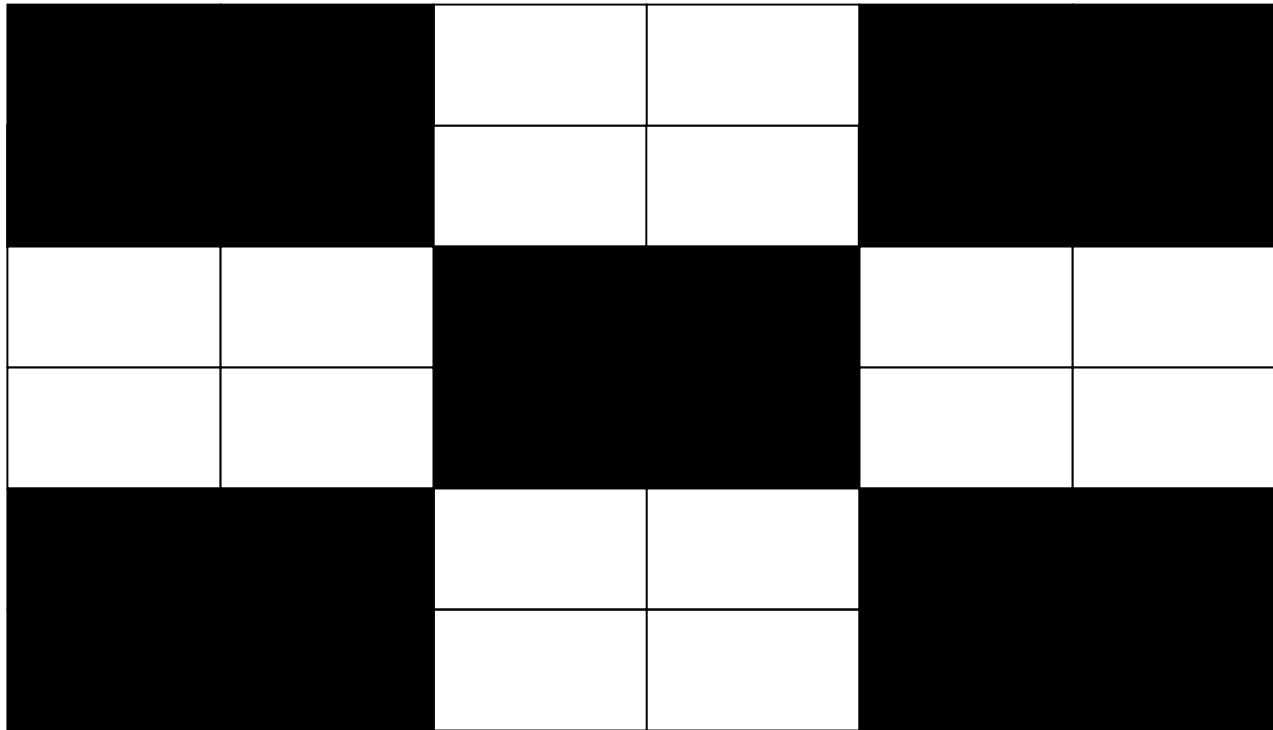
**Lösung**

## Bruchrechnen - Lernkarte 18



$$= \frac{12}{36} = \frac{1}{3}$$

## Bruchrechnen - Lernkarte 19

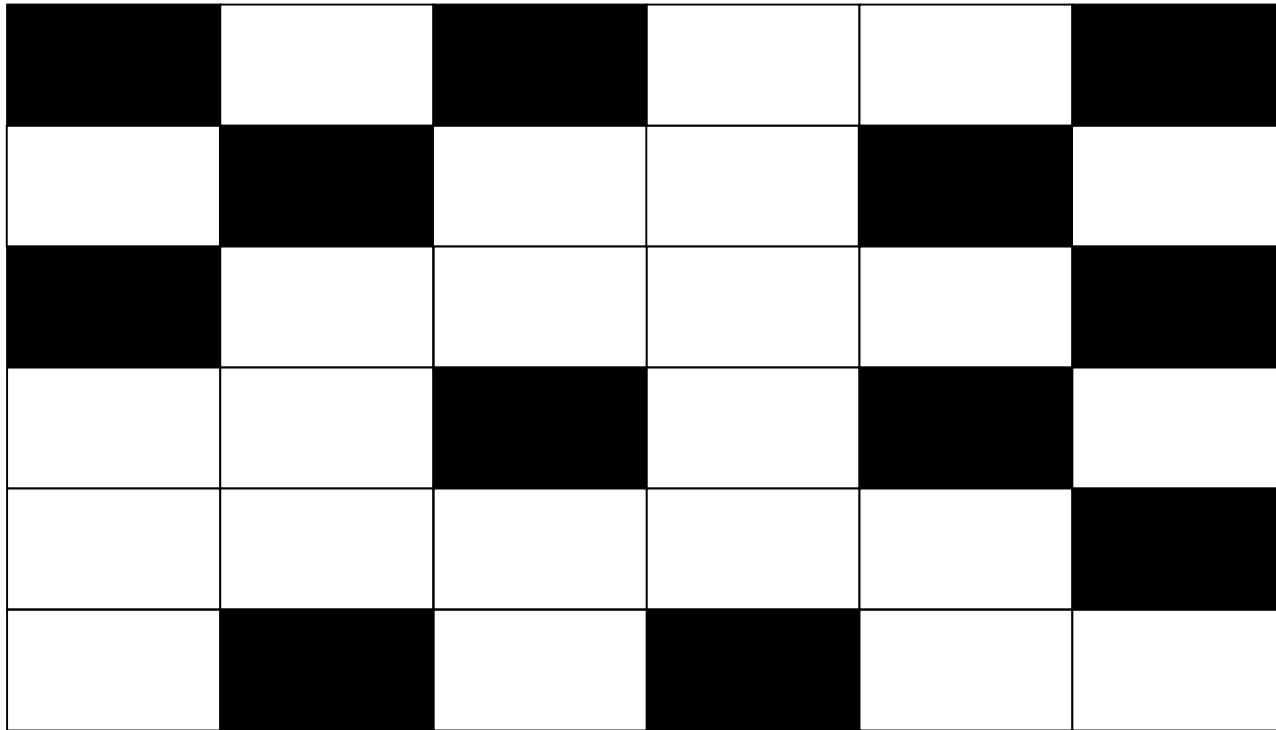


$$= \frac{20}{36} = \frac{5}{9}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 20

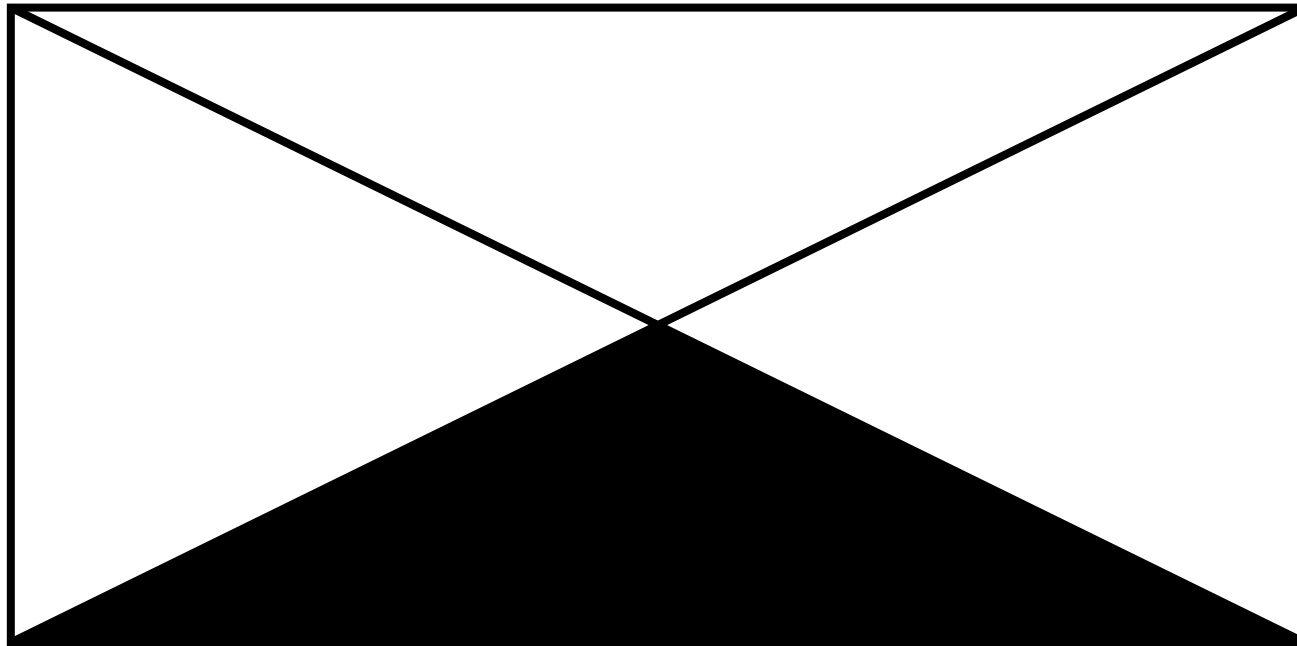


$$= \frac{12}{36} = \frac{1}{3}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 21

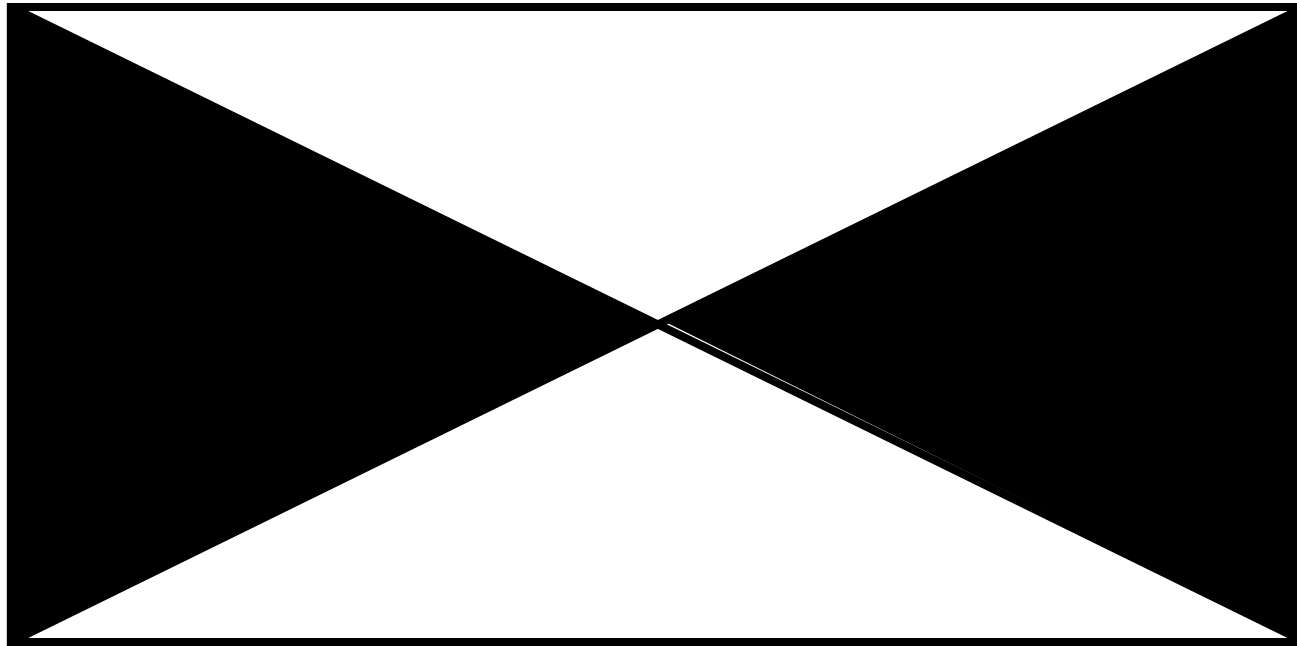


$$= \frac{1}{4}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 22

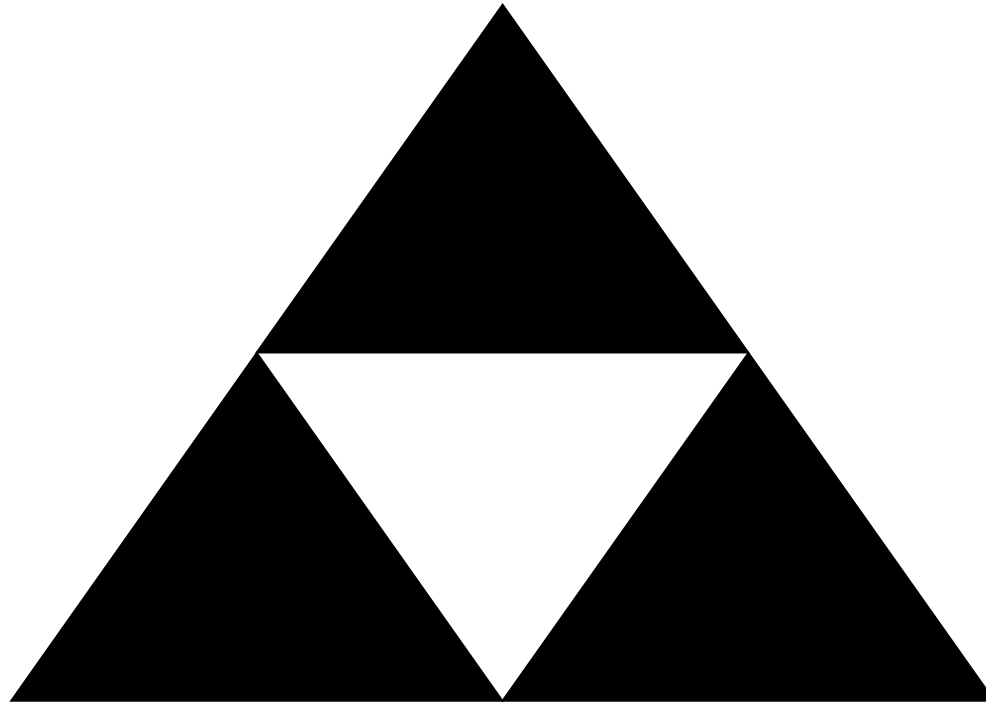


$$= \frac{1}{2}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 23



$$= \frac{3}{4}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 24



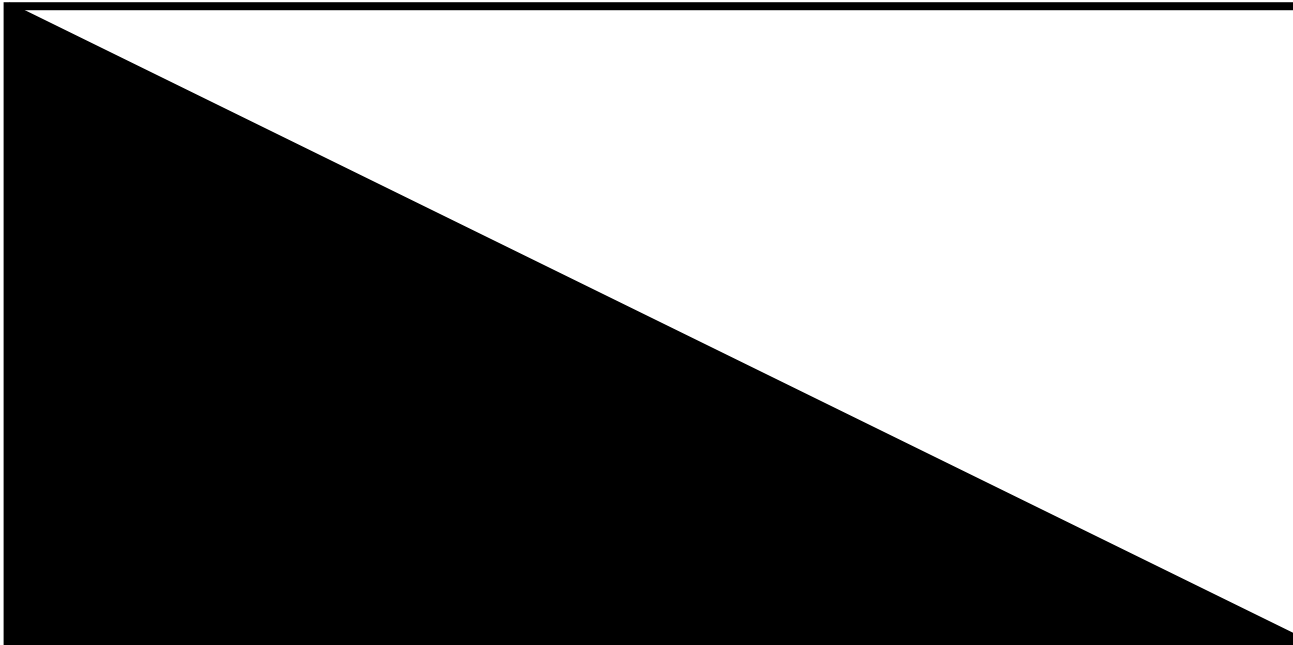
$$= \frac{6}{9} = \frac{2}{3}$$

<http://www.mathefritz.de>

**Lösung**



## Bruchrechnen - Lernkarte 25

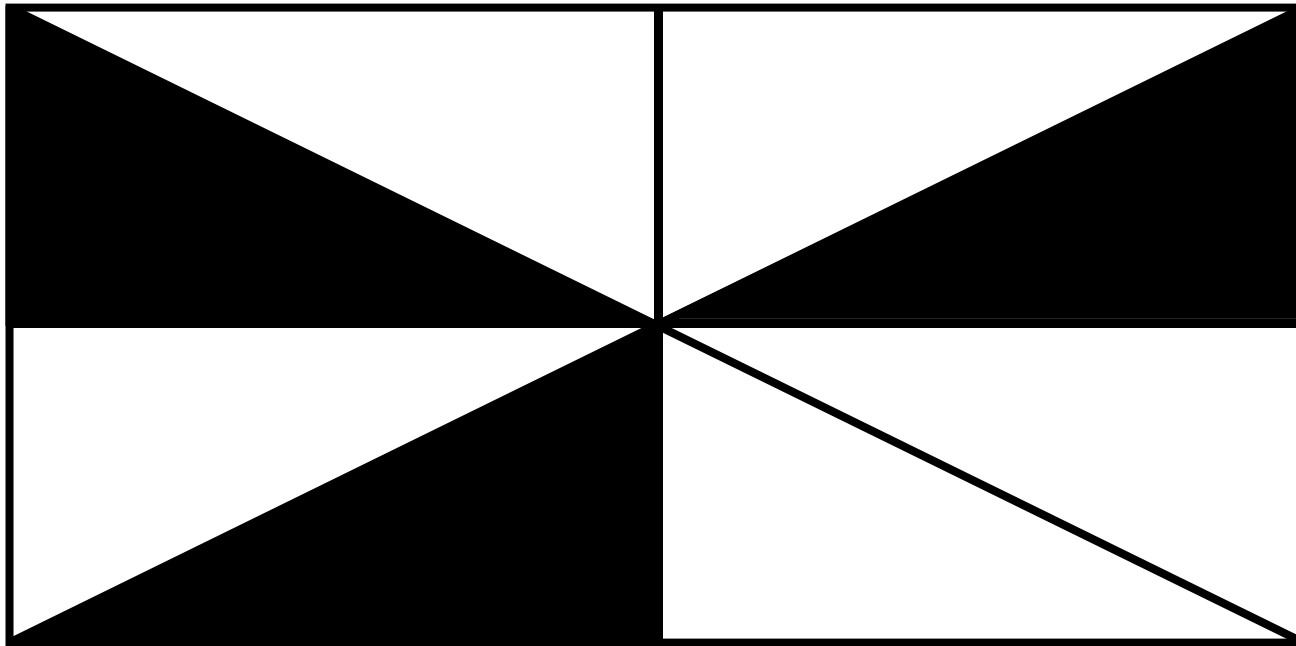


$$= \frac{1}{2}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 26

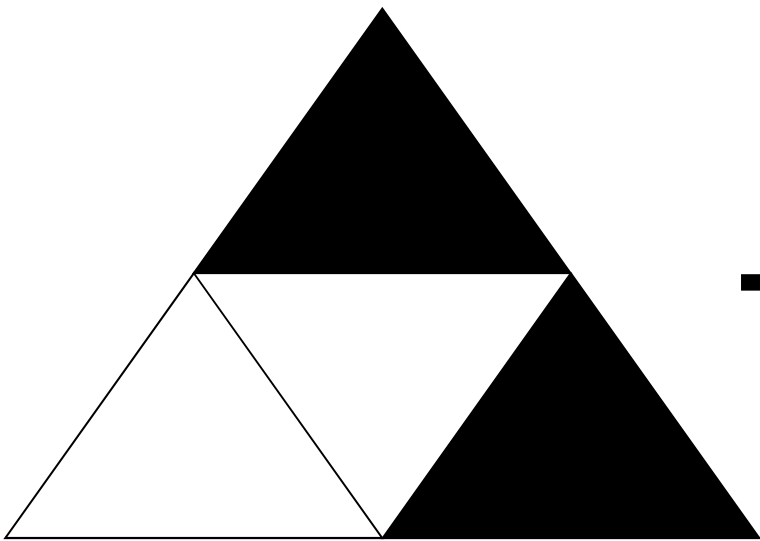


$$= \frac{3}{8}$$

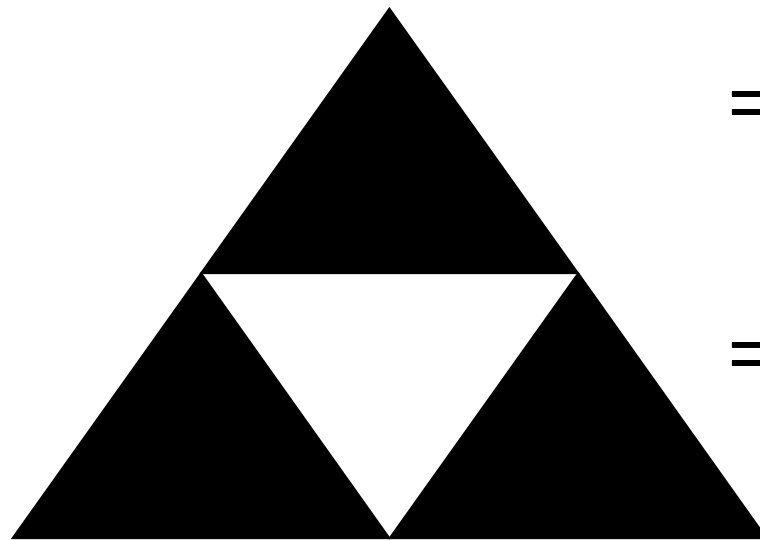
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 27



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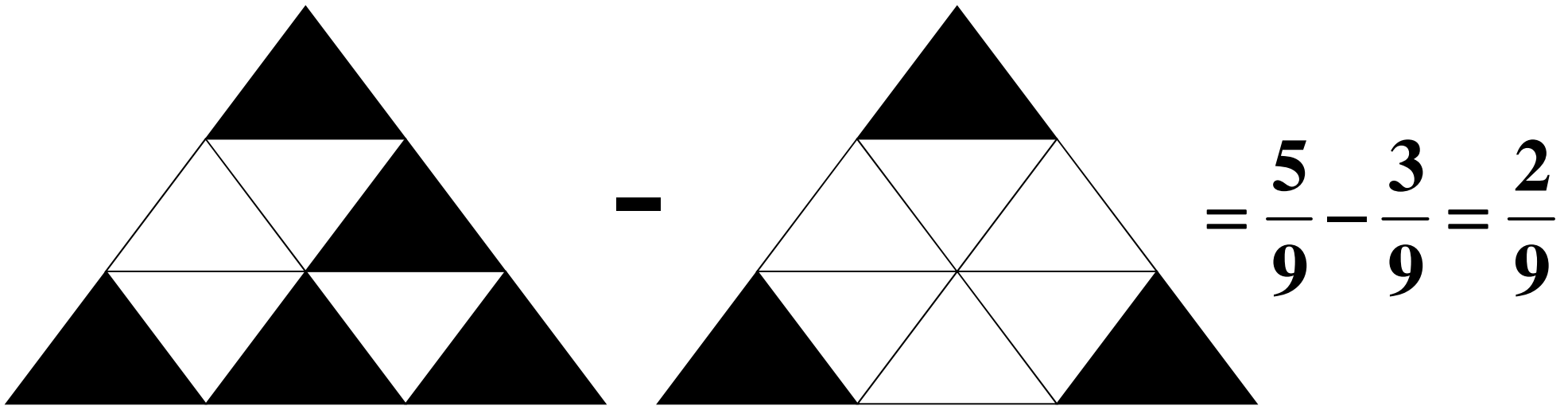


$$\begin{aligned} &= \frac{2}{4} + \frac{3}{4} \\ &= \frac{5}{4} = 1\frac{1}{4} \end{aligned}$$

<http://www.mathefritz.de>

**Lösung**

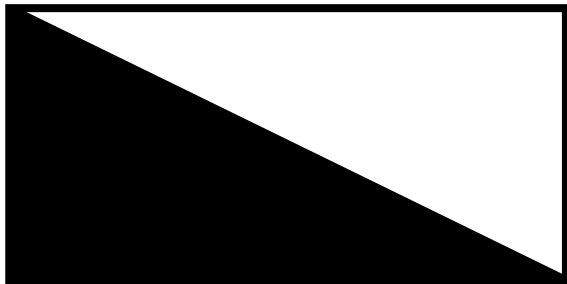
## Bruchrechnen - Lernkarte 28



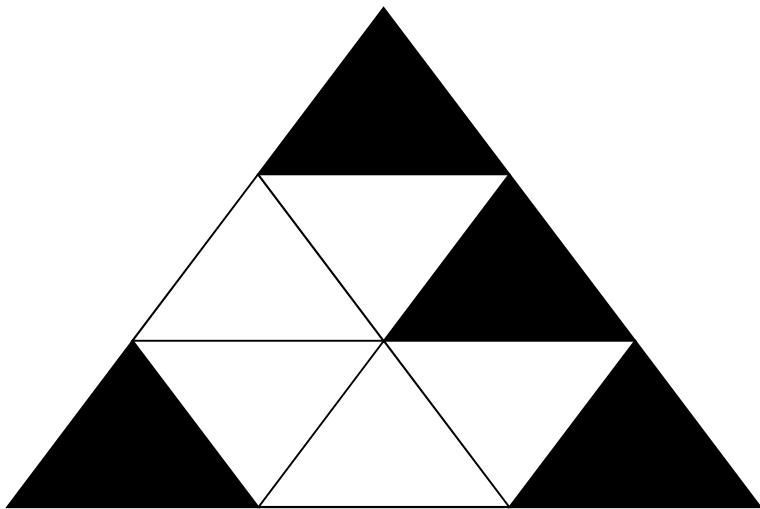
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 29



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$$= \frac{1}{2} - \frac{4}{9}$$

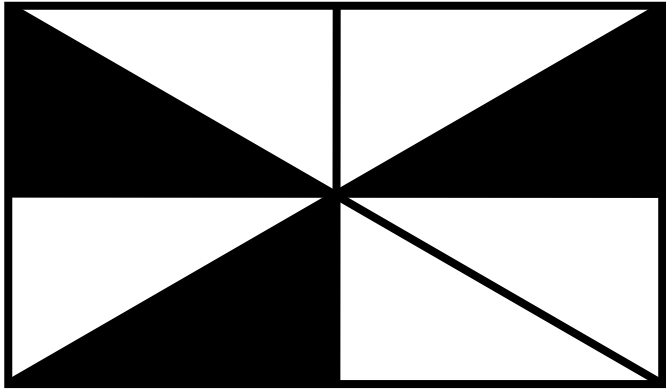
$$= \frac{9}{18} - \frac{8}{18}$$

$$= \frac{1}{18}$$

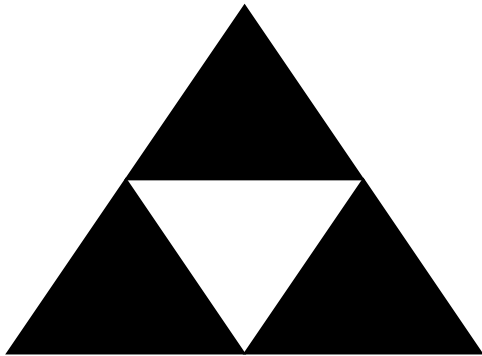
<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 30



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$$= \frac{3}{8} + \frac{3}{4} = \frac{3}{8} + \frac{6}{8} = \frac{9}{8} = 1\frac{1}{8}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 31

Textaufgabe:

**12 kg Kartoffeln kosten 15€.  
Was kostet 1 kg?**

$$\frac{15\text{€}}{12\text{kg}} = \frac{5\text{€}}{4\text{kg}} = \frac{5}{4} \text{€ / kg}$$

$$1\frac{1}{4} \text{€ / kg} = 1\text{€ } 25\text{ct} \quad \text{je} \quad \text{kg}$$

## Bruchrechnen - Lernkarte 32

Textaufgabe:

**Eine Tüte Gummibärchen mit 200g Inhalt kostet 0,85€. Was kostet 1 kg ?**

1.Möglichkeit:  $1kg = 5 \cdot 200g$   
 $5 \cdot 0,85€ = 4,25€$

2.Möglichkeit:  $200g = \frac{1}{5}kg, \quad 0,85€ = \frac{85}{100}€$

$$5 \cdot \frac{85}{100}€ = \frac{425}{100}€ = 4,25€$$



## Bruchrechnen - Lernkarte 33

Textaufgabe:

**Ein Sack Blumenerde mit 80 Litern Inhalt kostet 16€. Wie viele Liter bekomme ich dann effektiv pro Euro?**

$$\frac{80l}{16\text{€}} = \frac{5l}{\text{€}} = 5l \text{ für } 1 \text{ €}$$

<http://www.mathefritz.de>

**Lösung**

## Bruchrechnen - Lernkarte 34

Textaufgabe:

Du kaufst  $\frac{3}{8}$  kg Käse. An der Theke steht:  $2\frac{1}{2}$  € pro 100g. Was kostet der Käse?

$$2\frac{1}{2} \text{ € } \textit{pro } 100\text{g} \Rightarrow 25 \text{ € } \textit{pro } \textit{kg}$$

$$\frac{3}{8} \text{ kg} \cdot 25 \frac{\text{€}}{\text{kg}} = \frac{3 \cdot 25}{8} \text{ €} = \frac{75}{8} \text{ €} = 9\frac{3}{8} \text{ €}$$

## Bruchrechnen - Lernkarte 35

Textaufgabe:

**Ein Kilo Bio-Rindfleisch kostet  $12\frac{3}{4}$  €.  
Im Rezeptbuch steht, man benötigt zweidrittel Kilo für  
das Menü. Was kostet das Fleisch für das Menü?**

$$12\frac{3}{4} \frac{\text{€}}{\text{kg}} \cdot \frac{2}{3} \text{kg} = \frac{51}{4} \cdot \frac{2}{3} \text{€} = \frac{17}{2} \text{€} = 8\frac{1}{2} \text{€} = 8\text{€ } 50\text{ct}$$

## Bruchrechnen - Lernkarte 36

Textaufgabe:

Eine kleine Pizza kostet  $5\frac{3}{4}$  €. Sie wiegt 250g . Bei einem Fest wird die Pizza nach Gewicht verkauft.

Wie viel kosten 100g ?

$$250g \text{ kosten } 5\frac{3}{4} \text{ €}. \quad 250g = 2\frac{1}{2} \cdot 100g$$

$$100g \text{ kosten } \frac{5\frac{3}{4} \text{ €}}{2,5} = \frac{\frac{23}{4}}{\frac{5}{2}} \text{ €} = \frac{23}{4} \cdot \frac{2}{5} \text{ €} = \frac{23}{10} \text{ €} = 2\frac{3}{10} \text{ €} = 2,3 \text{ €}$$