

**Kürzen**

1 Kürze die Brüche mit den vorgegebenen Zahlen. Ergänze die Tabelle.

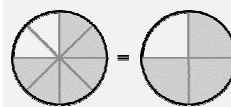
a)

	gekürzt mit	Rechnung
$\frac{8}{16}$	2	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{8}{16}$	4	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{8}{16}$		$\frac{8:8}{16:8} = \frac{1}{2}$

b)

	gekürzt mit	Rechnung
$\frac{6}{12}$	2	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{6}{12}$	3	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{6}{12}$		$\frac{6:\square}{12:\square} = \frac{1}{2}$

**Beispiel**



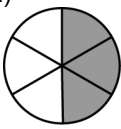
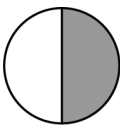
$\frac{6}{8} \xrightarrow[\text{mit 2}]{\text{gekürzt}} \frac{3}{4}$

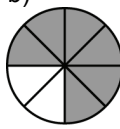
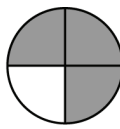
Rechnung:  $\frac{6}{8} = \frac{6:2}{8:2} = \frac{3}{4}$

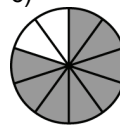
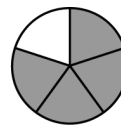
c)

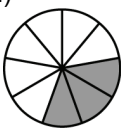
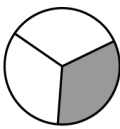
	gekürzt mit	Rechnung
$\frac{4}{10}$	2	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{6}{9}$	3	$\frac{\square}{\square} = \frac{\square}{\square}$
$\frac{20}{30}$	10	$\frac{\square}{\square} = \frac{\square}{\square}$

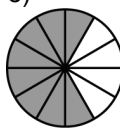
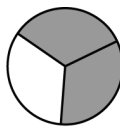
2 Die Grafiken verdeutlichen das Kürzen. Notiere die passende Aufgabe dazu.

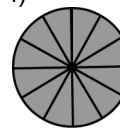
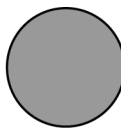
a)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

b)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

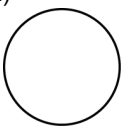
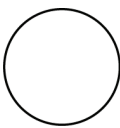
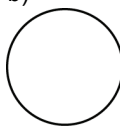
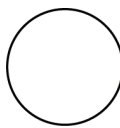
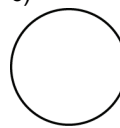
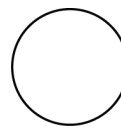
c)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

d)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

e)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

f)  =    
  $\frac{\square}{\square} = \frac{\square}{\square}$

3 Finde selbst Aufgaben.

a)  =  | b)  =  | c)  = 

# Lösungen

## Kürzen, F3

1 a)

	gekürzt mit	Rechnung
$\frac{8}{16}$	2	$\frac{8:2}{16:2} = \frac{4}{8}$
$\frac{8}{16}$	4	$\frac{8:4}{16:4} = \frac{2}{4}$
$\frac{8}{16}$	8	$\frac{8:8}{16:8} = \frac{1}{2}$

b)

	gekürzt mit	Rechnung
$\frac{6}{12}$	2	$\frac{6:2}{12:2} = \frac{3}{6}$
$\frac{6}{12}$	3	$\frac{6:3}{12:3} = \frac{2}{4}$
$\frac{6}{12}$	6	$\frac{6:6}{12:6} = \frac{1}{2}$

c)

	gekürzt mit	Rechnung
$\frac{4}{10}$	2	$\frac{4:2}{10:2} = \frac{2}{5}$
$\frac{6}{9}$	3	$\frac{6:3}{9:3} = \frac{2}{3}$
$\frac{20}{30}$	10	$\frac{20:10}{30:10} = \frac{2}{3}$

2 a)  $\frac{3}{6} = \frac{1}{2}$     b)  $\frac{6}{8} = \frac{3}{4}$     c)  $\frac{8}{10} = \frac{4}{5}$

d)  $\frac{3}{9} = \frac{1}{3}$     e)  $\frac{8}{12} = \frac{2}{3}$     f)  $\frac{12}{12} = \frac{1}{1}$

3 individuelle Lösungen