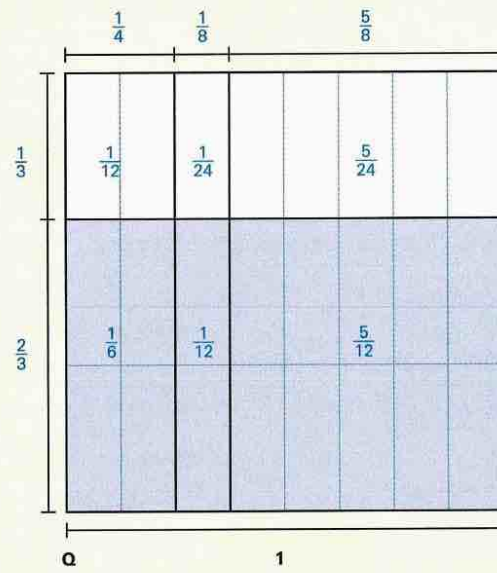
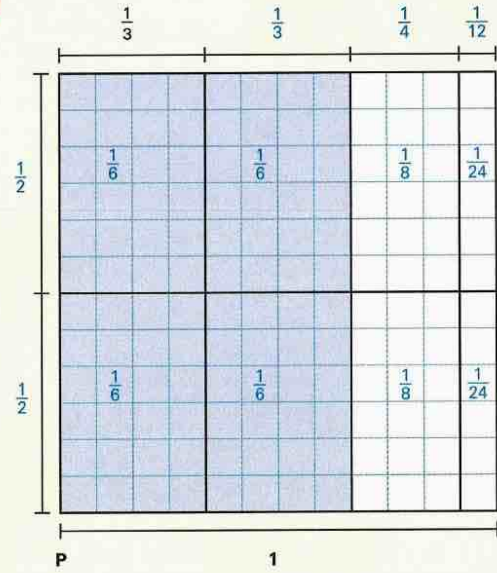
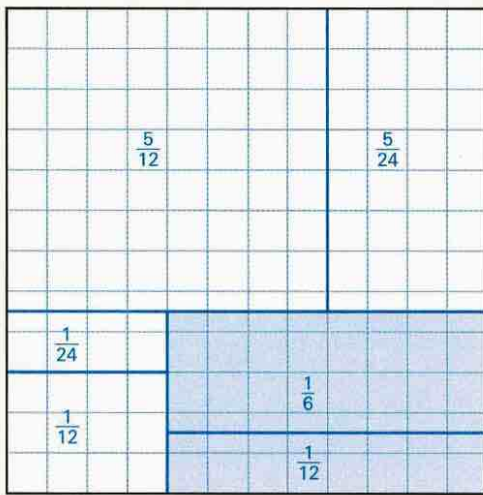
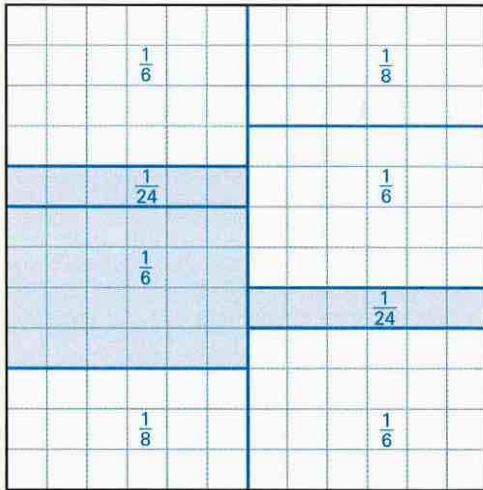


1

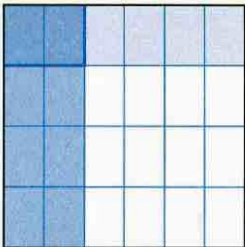


2 Mögliche Lösung:

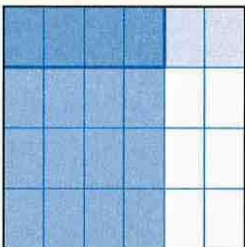


3 A  $\frac{1}{3} \cdot \frac{1}{4} = \frac{1}{12}$

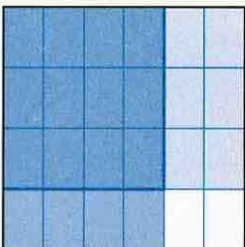
$\frac{1}{3}$  der Länge mal  $\frac{1}{4}$  der Breite ergibt  $\frac{1}{12}$  der Fläche.



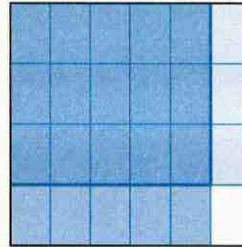
B  $\frac{2}{3} \cdot \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$



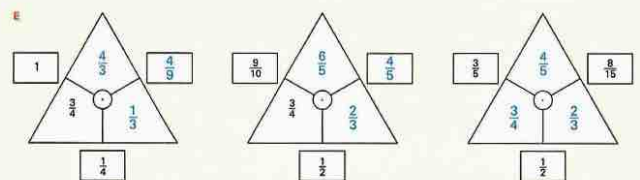
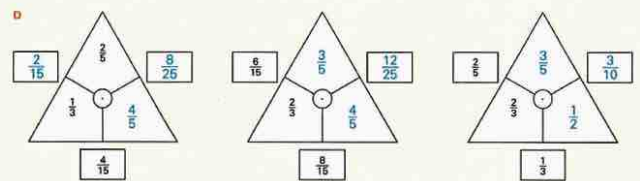
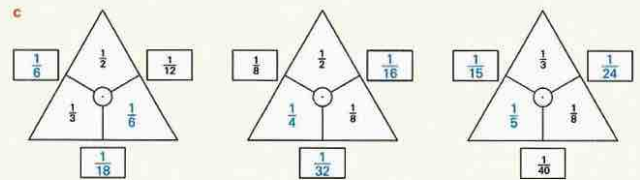
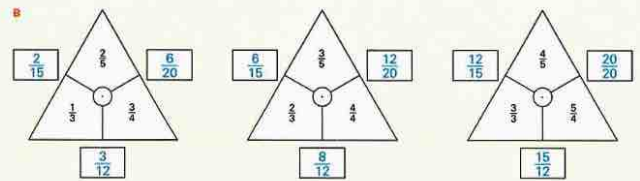
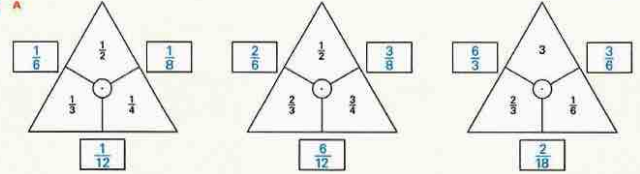
C  $\frac{2}{3} \cdot \frac{3}{4} = \frac{6}{12} = \frac{1}{2}$



D  $\frac{5}{6} \cdot \frac{3}{4} = \frac{15}{24} = \frac{5}{8}$



4 A



5 A

	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{4}{5}$
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{2}{6}$	$\frac{3}{8}$	$\frac{2}{5}$
$\frac{2}{3}$	$\frac{1}{3}$	$\frac{4}{9}$	$\frac{1}{2}$	$\frac{8}{15}$
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{3}{5}$
$\frac{4}{5}$	$\frac{2}{5}$	$\frac{8}{15}$	$\frac{3}{5}$	$\frac{16}{25}$

B Individuelle Lösung

6 A	$\frac{1}{4}$	B	$\frac{1}{6}$	C	$\frac{1}{3}$	D	$\frac{1}{2}$	E	$\frac{3}{16}$
	$\frac{1}{6}$		$\frac{1}{9}$		$\frac{3}{8}$		$\frac{9}{16}$		$\frac{1}{4}$
	$\frac{1}{8}$		$\frac{1}{12}$		$\frac{2}{9}$		$\frac{3}{5}$		$\frac{9}{32}$
	$\frac{1}{10}$		$\frac{1}{15}$		$\frac{1}{4}$		$\frac{5}{8}$		$\frac{3}{10}$
	$\frac{1}{12}$		$\frac{1}{24}$		$\frac{1}{6}$		$\frac{8}{15}$		$\frac{3}{25}$
	$\frac{1}{16}$		$\frac{1}{32}$		$\frac{3}{16}$		$\frac{3}{5}$		$\frac{6}{25}$
	$\frac{1}{20}$		$\frac{1}{40}$		$\frac{1}{9}$		$\frac{16}{25}$		$\frac{1}{4}$
	$\frac{1}{24}$		$\frac{1}{48}$		$\frac{1}{8}$		$\frac{2}{3}$		$\frac{1}{8}$

7 A 2                      B 8                      C  $\frac{9}{4}$

8                               $\frac{7}{2}$                                $\frac{8}{3}$

$\frac{1}{4}$                                $\frac{35}{16}$                                $\frac{5}{4}$

$\frac{7}{6}$                               2                                       $\frac{11}{10}$

8 A

geteilt durch	Wert	3	$\frac{3}{4}$	$\frac{1}{6}$	$\frac{8}{9}$	$\frac{2}{9}$
2	$\frac{3}{2}$	$\frac{3}{8}$	$\frac{1}{12}$	$\frac{5}{18}$	$\frac{1}{6}$	
$\frac{1}{4}$	12	3	$\frac{2}{3}$	$\frac{20}{9}$	$\frac{8}{6}$	
$\frac{8}{9}$	$\frac{24}{5}$	$\frac{6}{5}$	$\frac{4}{15}$	$\frac{8}{9}$	$\frac{16}{25}$	
$\frac{5}{6}$	$\frac{5}{2}$	$\frac{5}{8}$	$\frac{5}{36}$	$\frac{25}{54}$	$\frac{1}{3}$	

geteilt durch	Wert	2	$\frac{1}{4}$	$\frac{6}{8}$	$\frac{6}{9}$	$\frac{3}{7}$
3	$\frac{3}{2}$	$\frac{1}{12}$	$\frac{5}{24}$	$\frac{2}{6}$	$\frac{4}{21}$	
$\frac{3}{4}$	$\frac{18}{3}$	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{8}{9}$	$\frac{16}{21}$	
$\frac{1}{6}$	12	$\frac{3}{2}$	$\frac{15}{4}$	$\frac{36}{5}$	$\frac{24}{7}$	
$\frac{2}{5}$	5	$\frac{5}{8}$	$\frac{25}{16}$	3	$\frac{10}{7}$	

B Individuelle Lösung

9  $20 : \frac{5}{4} = (20 \cdot 4) : 5 = (20 : 5) \cdot 4 = 80 : 5 = 20 \cdot \frac{4}{5} = \frac{20 \cdot 4}{5}$

$20 \cdot \frac{5}{4} = (20 : 5) \cdot 4 = 20 : \frac{4}{5} = (20 : 4) \cdot 5$

$(20 \cdot 8) : 5 = 20 : \frac{5}{8} = 16 : \frac{1}{2} = 160 : 5$

$15 \cdot \frac{3}{2} = 45 : 2 = 15 : \frac{2}{3}$

$30 : 3 = (15 \cdot 2) : 3 = 30 \cdot \frac{1}{3} = 15 : \frac{2}{3} = 15 \cdot \frac{3}{2}$

10 A 1                      B  $\frac{3}{2}$                       C  $\frac{3}{2}$                       D  $\frac{4}{3}$

$\frac{3}{2}$                                $\frac{9}{4}$                                $\frac{9}{8}$                               1

2                              3                                      1                                       $\frac{8}{9}$

$\frac{5}{2}$                                $\frac{15}{4}$                                $\frac{15}{16}$                                $\frac{5}{6}$

3                               $\frac{9}{2}$                                        $\frac{9}{10}$                                $\frac{4}{5}$

11 A

+	$\frac{3}{5}$	$\frac{2}{5}$	$\frac{1}{5}$	$\frac{1}{10}$
$\frac{1}{2}$	$\frac{11}{10}$	$\frac{9}{10}$	$\frac{7}{10}$	$\frac{3}{5}$
$\frac{3}{10}$	$\frac{9}{10}$	$\frac{7}{10}$	$\frac{1}{2}$	$\frac{2}{5}$
$\frac{1}{10}$	$\frac{7}{10}$	$\frac{1}{2}$	$\frac{3}{10}$	$\frac{1}{5}$
$\frac{1}{20}$	$\frac{13}{20}$	$\frac{9}{20}$	$\frac{1}{4}$	$\frac{3}{20}$

B

+	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{2}{9}$	$\frac{5}{12}$
$\frac{1}{4}$	$\frac{7}{12}$	$\frac{11}{12}$	$\frac{17}{36}$	$\frac{2}{3}$
$\frac{2}{15}$	$\frac{7}{15}$	$\frac{4}{5}$	$\frac{16}{45}$	$\frac{11}{20}$
$\frac{1}{9}$	$\frac{4}{9}$	$\frac{7}{9}$	$\frac{1}{3}$	$\frac{19}{36}$
$\frac{7}{12}$	$\frac{11}{12}$	$\frac{15}{12}$	$\frac{29}{36}$	1

12 A  $\frac{1}{6}$                       B  $\frac{1}{4}$                       C  $\frac{1}{6}$

$\frac{1}{4}$                                $\frac{5}{12}$                                $\frac{1}{3}$

$\frac{3}{10}$                                $\frac{1}{2}$                                        $\frac{5}{12}$

$\frac{1}{3}$                                $\frac{11}{20}$                                        $\frac{7}{15}$

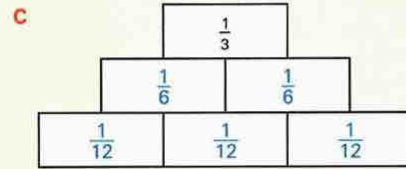
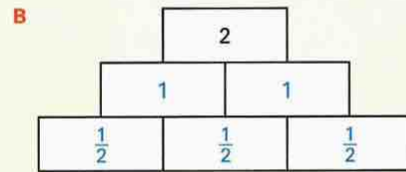
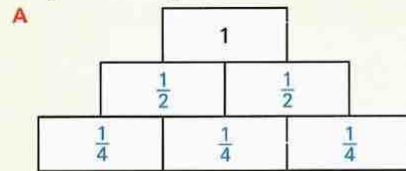
$\frac{3}{8}$                                $\frac{7}{12}$                                        $\frac{1}{2}$

$\frac{2}{5}$                                $\frac{5}{8}$                                        $\frac{13}{24}$

$\frac{9}{20}$                                $\frac{13}{20}$                                        $\frac{5}{9}$

$\frac{49}{100}$                                $\frac{7}{10}$                                        $\frac{7}{12}$

13 Mögliche Lösungen:



S. 81-84 18 Prozente

1 A

Prozentzahl	Bruch	«a»	«e»	«n»
0%	0	Prozentrechnen	Automobil	Goldfisch
10%	$\frac{1}{10}$	Radieschen	fleischlos	vertreiben
12,5%	$\frac{1}{8}$	Aprikose	Barbaren	<u>Barbaren</u>
16,6%	$\frac{1}{6}$	Pflaumenbaum	<u>Orange</u>	<u>Katzen</u>
20%	$\frac{1}{5}$	Mathematik	Kreuzotter	Kornblumen
<u>20%</u>	$\frac{1}{5}$	Tragbahnen	Ratte	Nebensache
<u>25%</u>	$\frac{1}{4}$	<u>Maus</u>	Suppenteller	Windhund
30%	$\frac{3}{10}$	Zahlenpaar	<u>Besenstiel</u>	<u>Weinkenner</u>
33,3%	$\frac{1}{3}$	Anakondas	Meeresarm	<u>Männer</u>
<u>37,5%</u>	$\frac{3}{8}$	<u>Haarlack</u>	Betreuer	spinnend
40%	$\frac{2}{5}$	Ananassaft	Feuer	<u>umbenennen</u>
50%	$\frac{1}{2}$	Saal	leeren	Tannen
<u>60%</u>	$\frac{3}{5}$	Aarau	Meere	Nonne
<u>66,7%</u>	$\frac{2}{3}$	Aas	See	<u>nennen</u>

- B Bei 60% muss das Wort 5 (oder 10) Buchstaben haben, wovon 3 (oder 6) gleich sind. Bei  $66\frac{2}{3}\%$  muss das Wort 3 (oder 6) Buchstaben haben, wovon 2 (oder 4) gleich sind. Letztere gibt es häufiger (z. B. See, nun, nennen).
- C Das müsste ein Wort mit 10 (oder 20) Buchstaben sein, wovon 7 (oder 14) ein «e» wären.
- D 30%: 10, 20, 30, ... Buchstaben  
37,5%: 8, 16, 24, ... Buchstaben
- E 40%, 33,3%, 25%, 20%

2 A

Prozentsatz (gerundet)	100%	75%	60%	50%	20%	10%	5%
Anzahl Buchstaben	331	248	199	166	66	33	17

B

Prozentsatz (gerundet)	100%	75%	60%	50%	20%	10%	5%
Anzahl Buchstaben	277	208	166	139	55	28	14