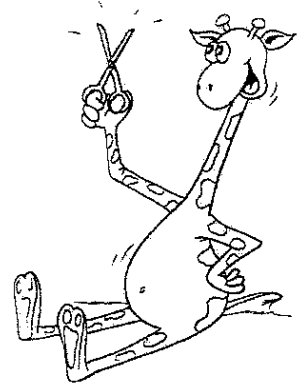
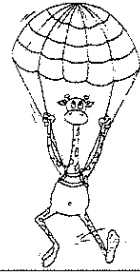

Blok 3 Deel van geheel (2)

Wat heb je nodig voor dit blok:

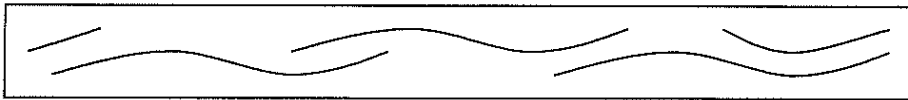
- schaar
- lijm
- kleurpotloden
- pen
- potlood



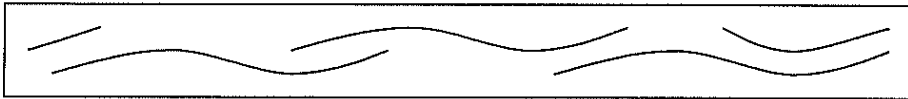
Knip uit en vouw. Plak de planken op de volgende pagina.



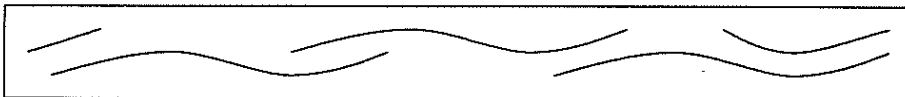
Vouw de plank eerlijk in vieren. Kleur 3 van de 4 delen. Schrijf de breuk erbij.



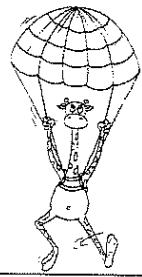
Vouw de plank in zes gelijke stukken. Kleur 2 van de 6 delen. Schrijf de breuk erbij.



Vouw de plank in acht gelijke stukken. Kleur 4 van de 8 delen. Schrijf de breuk erbij.



Plak hier de gevouwen en gekleurde planken.

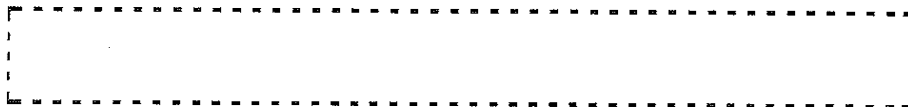


Plak hier de plank waarvan je 3 van de 4 delen gekleurd hebt.



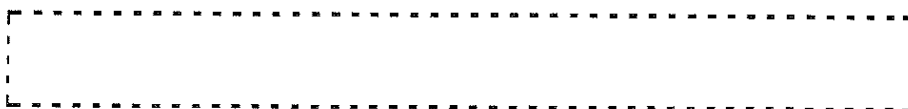
... deel is gekleurd

Plak hier de plank waarvan je 2 van de 6 delen gekleurd hebt.



... deel is gekleurd

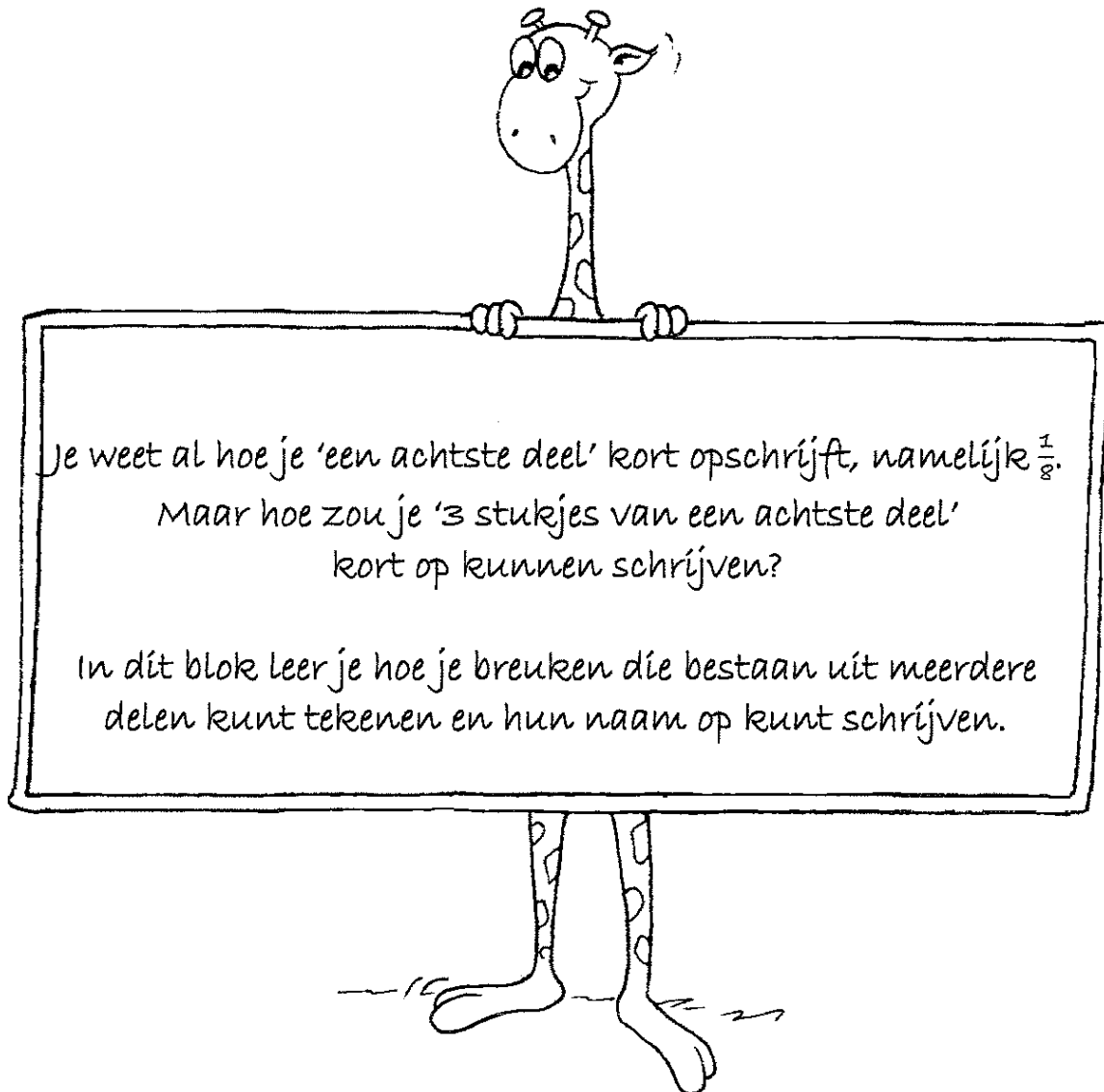
Plak hier de plank waarvan je 4 van de 8 delen gekleurd hebt.

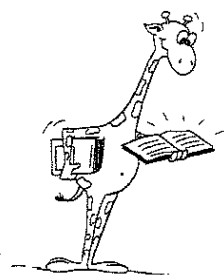


... deel is gekleurd

Deze bladzijde
ging zo:

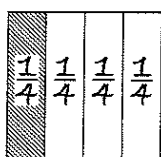






Instructie 1:
Hoe noem je het gekleurde deel van het papier?

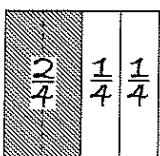
Het papier is in 4 gelijke stukken verdeeld. Hoe noem je het gekleurde deel van het papier?



Dit is een kwart of $\frac{1}{4}$ deel van het papier.

Eén van de vier delen is gekleurd.

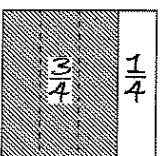
$\frac{1}{4}$ deel past 4 keer in een heel figuur.



$\frac{2}{4}$ deel van het papier is nu gekleurd.

Twee van de vier delen zijn gekleurd.

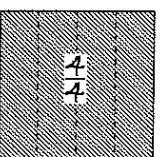
$\frac{2}{4}$ deel of de helft is gekleurd.



Driekwart of $\frac{3}{4}$ deel van het papier is nu gekleurd.

Drie van de vier delen zijn gekleurd.

$\frac{3}{4}$ deel is gekleurd.

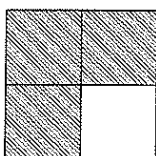


Het hele papier of $\frac{4}{4}$ deel van het papier is nu gekleurd.

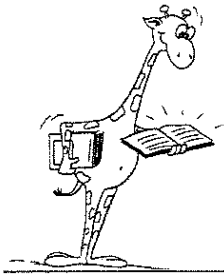
Vier van de vier delen zijn gekleurd.

$\frac{4}{4}$ deel of het geheel is gekleurd.

teller telt de gekleurde delen
noemer noemt het totaal aantal delen

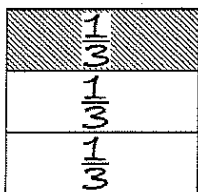


4 delen in totaal, 3 delen zijn gekleurd,
dus $\frac{3}{4}$ deel is gekleurd.



Instructie 1 (vervolg):
Hoe noem je het gekleurde deel van het papier?

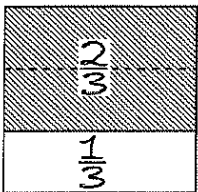
Het papier is in 3 gelijke stukken verdeeld. Hoe noem je het gekleurde deel van het papier?



Dit is een derde deel of $\frac{1}{3}$ deel van het papier.

Eén van de drie delen is gekleurd.

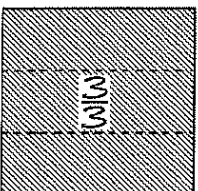
$\frac{1}{3}$ deel past 3 keer in een heel figuur.



Tweederde deel van het papier is nu gekleurd.

Twee van de drie delen zijn gekleurd.

$\frac{2}{3}$ deel is gekleurd.

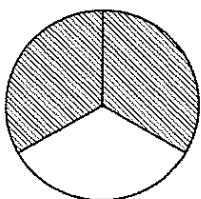


Driederde deel of het hele papier is nu gekleurd.

Drie van de drie delen zijn gekleurd.

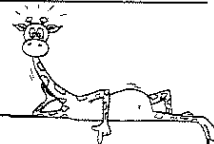
$\frac{3}{3}$ deel of het geheel is gekleurd.

teller telt de gekleurde delen
 noemer noemt het totaal aantal delen

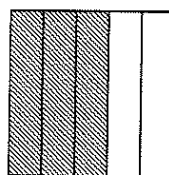
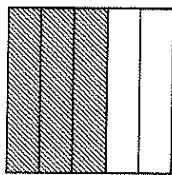


3 delen in totaal, 2 delen zijn gekleurd,
 dus $\frac{2}{3}$ deel is gekleurd.

1. Hoeveel delen zijn er? Welk deel van het figuur is gekleurd? Schrijf de breuk.



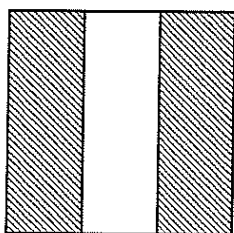
Voorbeeld:



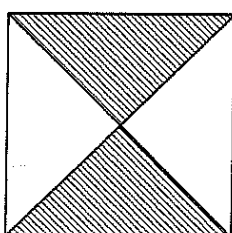
er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd

er zijn 5 delen
3 delen gekleurd
 $\frac{3}{5}$ deel is gekleurd

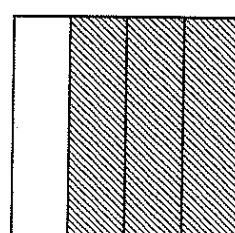
Nu jij:



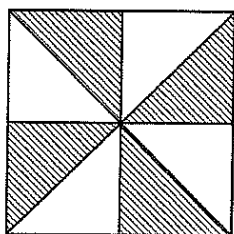
er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd



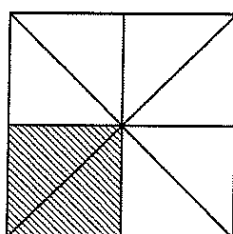
er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd



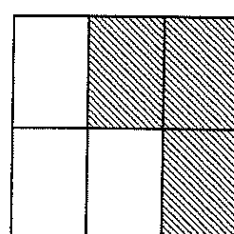
er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd



er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd



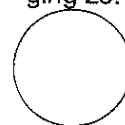
er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd



er zijn ... delen
... delen gekleurd
 $\frac{\dots}{\dots}$ deel is gekleurd

Bedenk zelf 1 opgave:

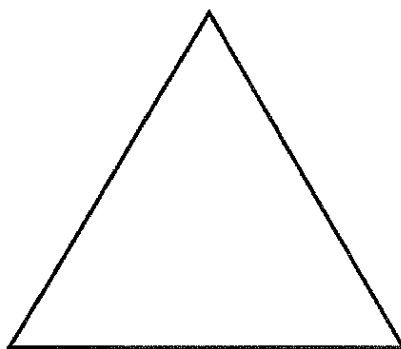
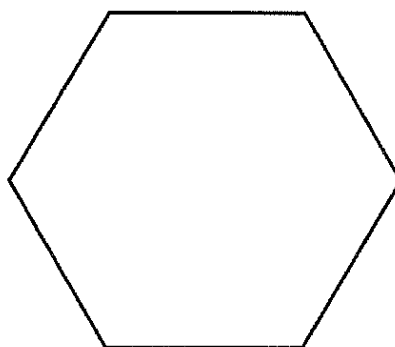
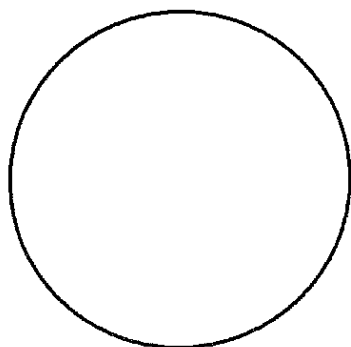
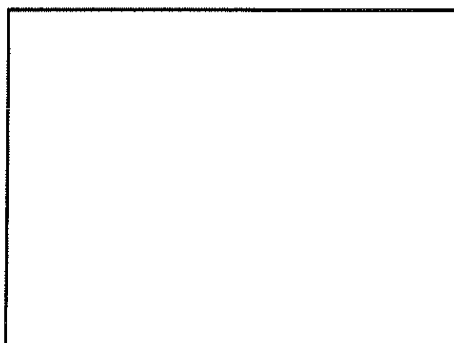
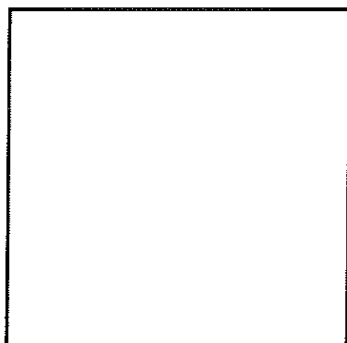
Deze bladzijde
ging zo:



2. Knip de figuren uit en vouw ze in zessen. Kleur $\frac{4}{6}$ deel.
Plak de figuren op de volgende pagina.



Nu jij:

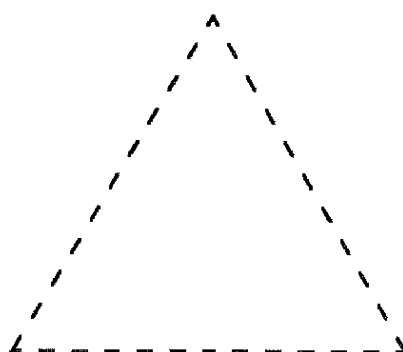
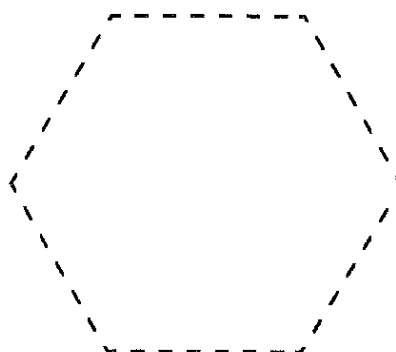
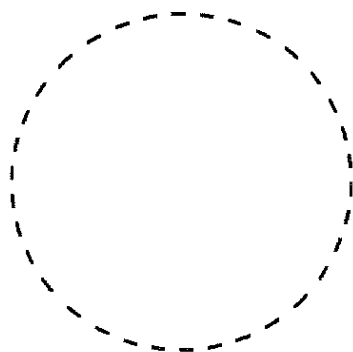
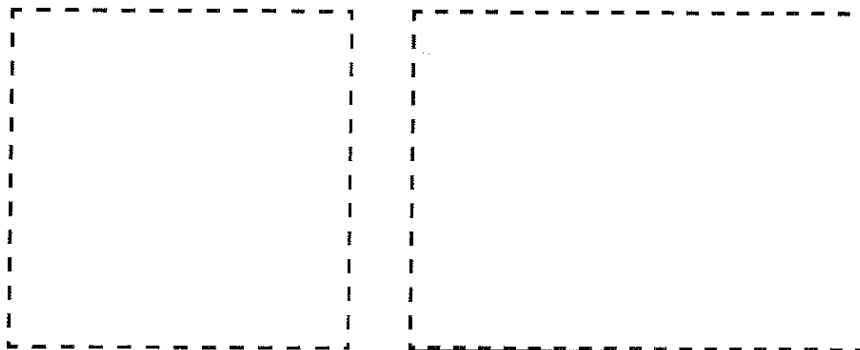


Bedenk zelf 1 opgave:

Plak hier de figuren.



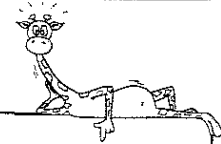
Nu jij:



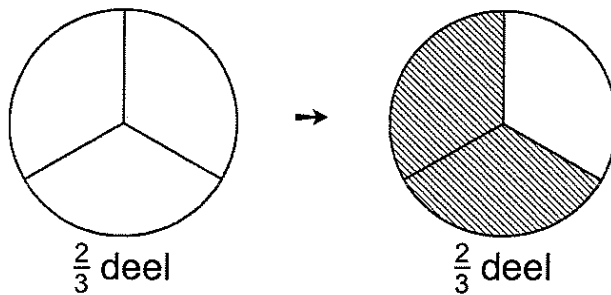
Deze bladzijde
ging zo:



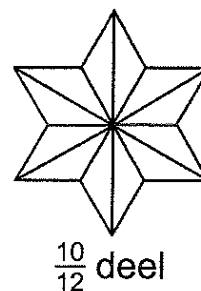
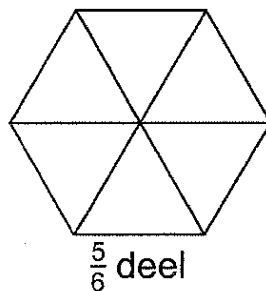
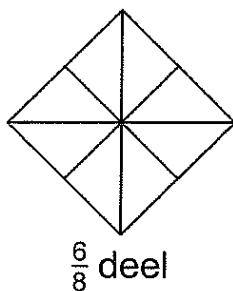
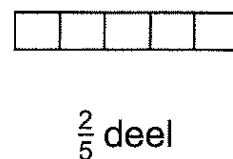
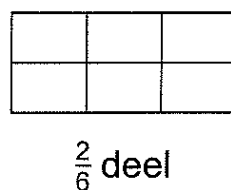
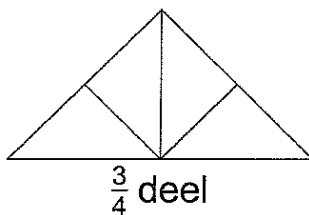
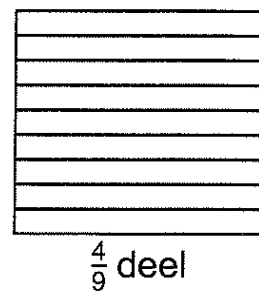
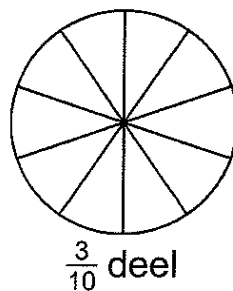
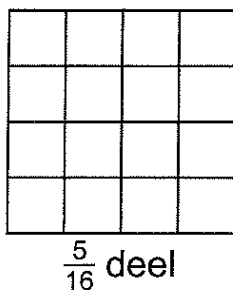
3. Kleur het deel van het figuur



Voorbeeld:

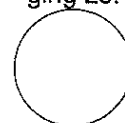


Nu jij:



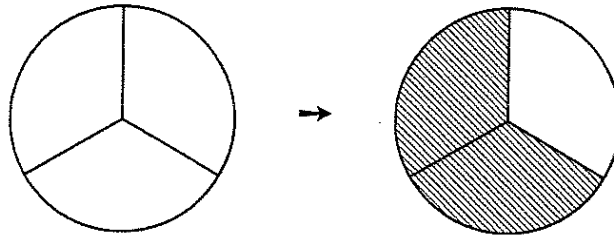
Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:

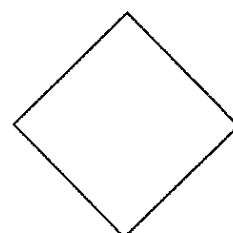
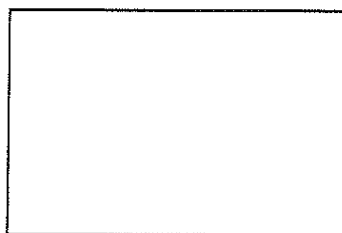
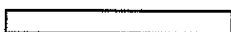
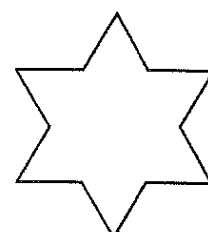
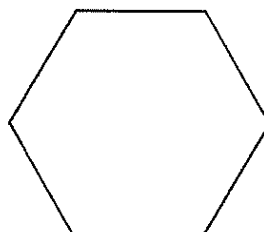
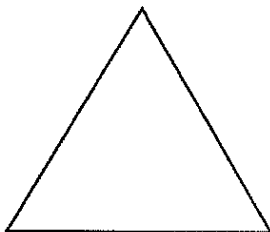
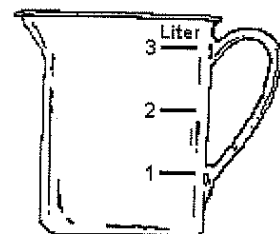
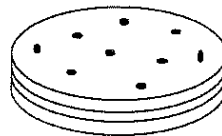
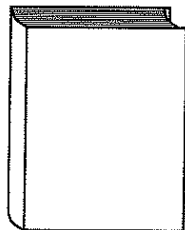
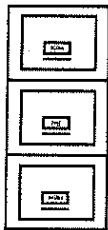


4. Kleur $\frac{2}{3}$ deel van het figuur.

Voorbeeld:

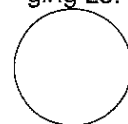


Nu jij:

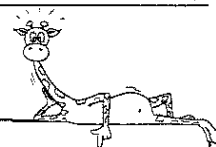


Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:

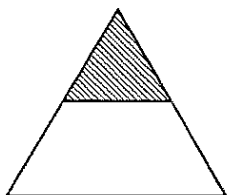
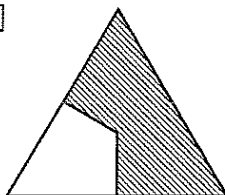
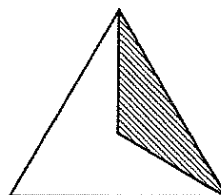


5. Van welk figuur is het deel gekleurd? Kruis het antwoord aan.



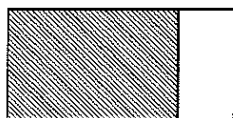
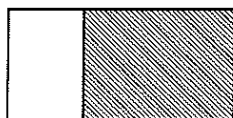
Voorbeeld:

Van welk figuur is $\frac{2}{3}$ deel gekleurd?

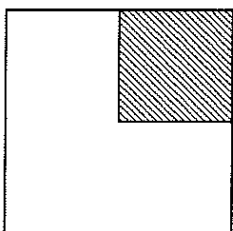
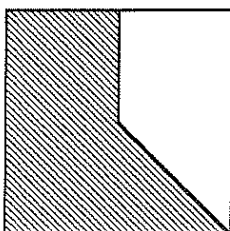
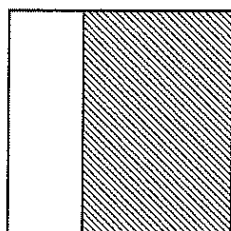
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Nu jij:

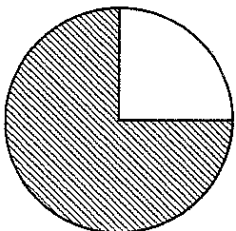
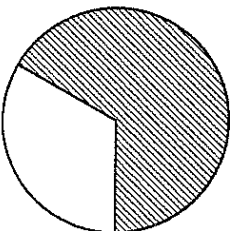
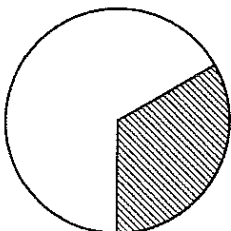
Van welk figuur is $\frac{3}{4}$ deel gekleurd?

☐

☐

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Van welk figuur is $\frac{2}{3}$ deel gekleurd?

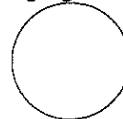
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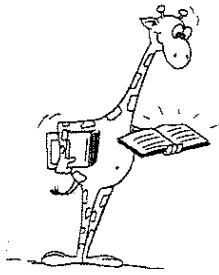
Van welk figuur is $\frac{4}{6}$ deel gekleurd?

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Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:



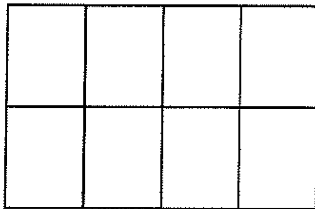


Instructie 2:

Wat is $\frac{1}{4}$ deel van de rechthoek?

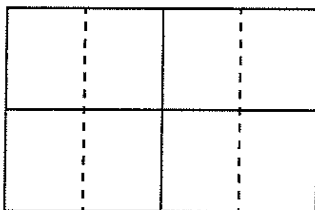
Hoe kan je van deze rechthoek $\frac{3}{4}$ deel kleuren?

De rechthoek is in 8 gelijke stukken verdeeld. Wat is $\frac{1}{4}$ deel van de rechthoek?

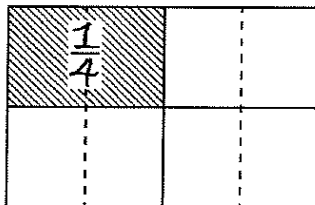


Deze rechthoek bestaat uit 8 stukjes.

Hoe kan je van deze rechthoek $\frac{1}{4}$ deel kleuren?

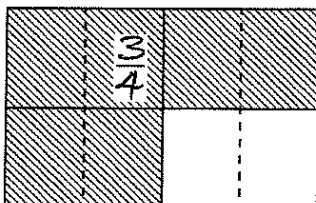


Voor $\frac{1}{4}$ deel verdeel je de rechthoek in 4 gelijke delen, want $\frac{1}{4}$ deel past 4 keer in een heel figuur. Je krijgt 4 gelijke delen als je iedere keer 2 hokjes samen neemt.



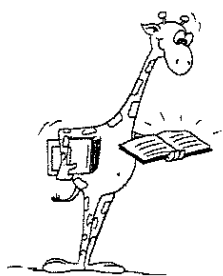
$\frac{1}{4}$ deel past nu 4 keer in een heel figuur.

Hoe kan je van deze rechthoek $\frac{3}{4}$ deel kleuren?



Voor $\frac{3}{4}$ deel moet ik 3 hoekjes van $\frac{1}{4}$ deel kleuren.

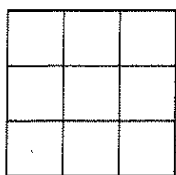
$\frac{3}{4}$ deel van het figuur is nu gekleurd.



Instructie 2 (vervolg):

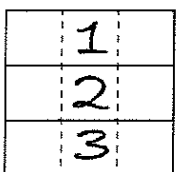
Wat is $\frac{2}{3}$ of $\frac{3}{8}$ deel van het vierkant?

Het vierkant is in 9 gelijke stukken verdeeld. Wat is $\frac{2}{3}$ deel van het vierkant?

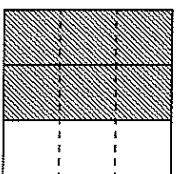


Ik wil van dit vierkant $\frac{2}{3}$ deel kleuren.

Het papier is in 9 gelijke stukken verdeeld.

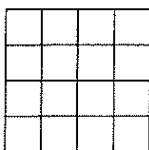


Ik moet $\frac{2}{3}$ deel kleuren, dus ik verdeel eerst in 3 gelijke stukken.



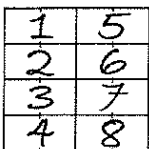
Voor $\frac{2}{3}$ deel kleur ik 2 van de 3 gelijke delen.

Het vierkant is in 16 gelijke stukken verdeeld. Wat is $\frac{3}{8}$ deel van het vierkant?

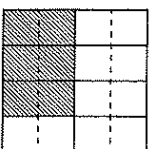


Ik wil $\frac{3}{8}$ deel kleuren.

Het papier is in 16 gelijke stukken verdeeld.

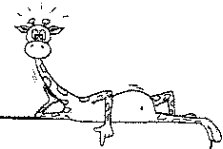


Ik moet $\frac{3}{8}$ deel kleuren, dus ik verdeel eerst in 8 gelijke stukken.

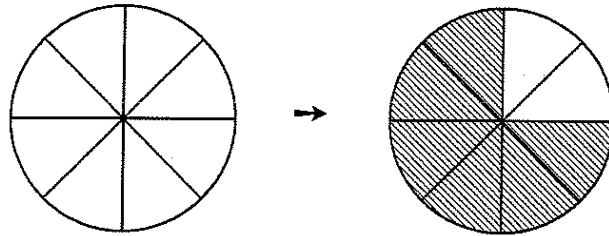


Voor $\frac{3}{8}$ deel kleur ik 3 van de 8 gelijke delen.

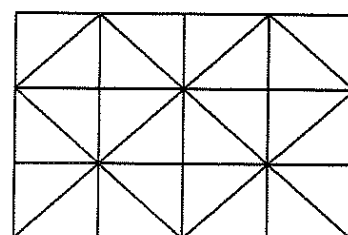
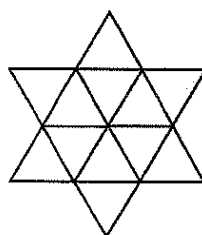
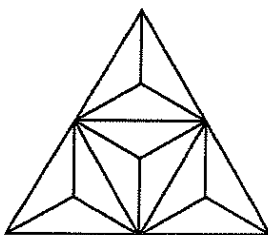
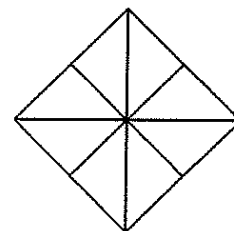
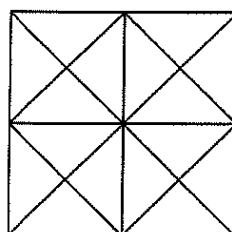
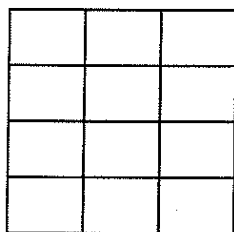
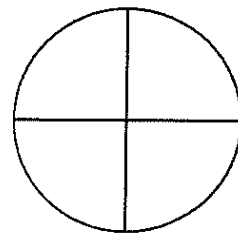
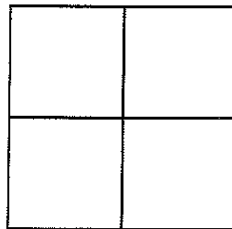
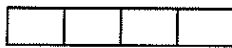
6. Kleur $\frac{3}{4}$ deel van het figuur



Voorbeeld:

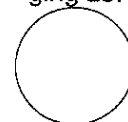


Nu jij:

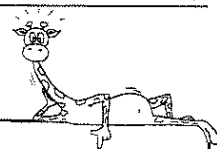


Bedenk zelf 1 opgave:

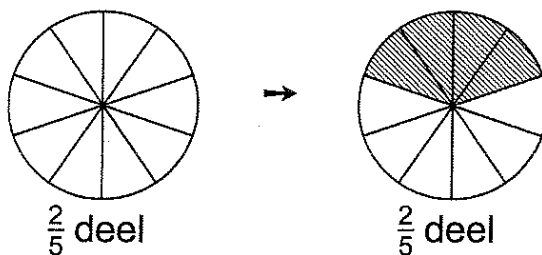
Deze bladzijde
ging zo:



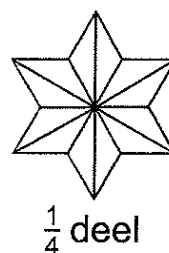
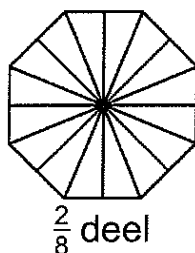
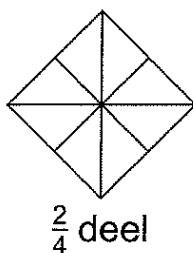
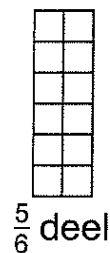
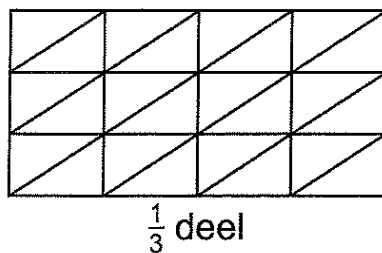
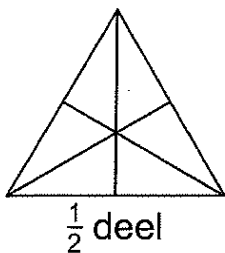
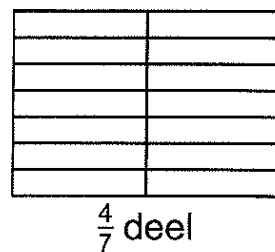
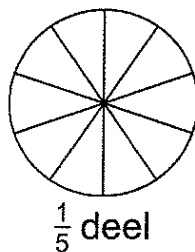
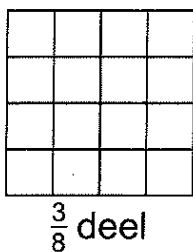
7. Kleur het deel van het figuur.



Voorbeeld:



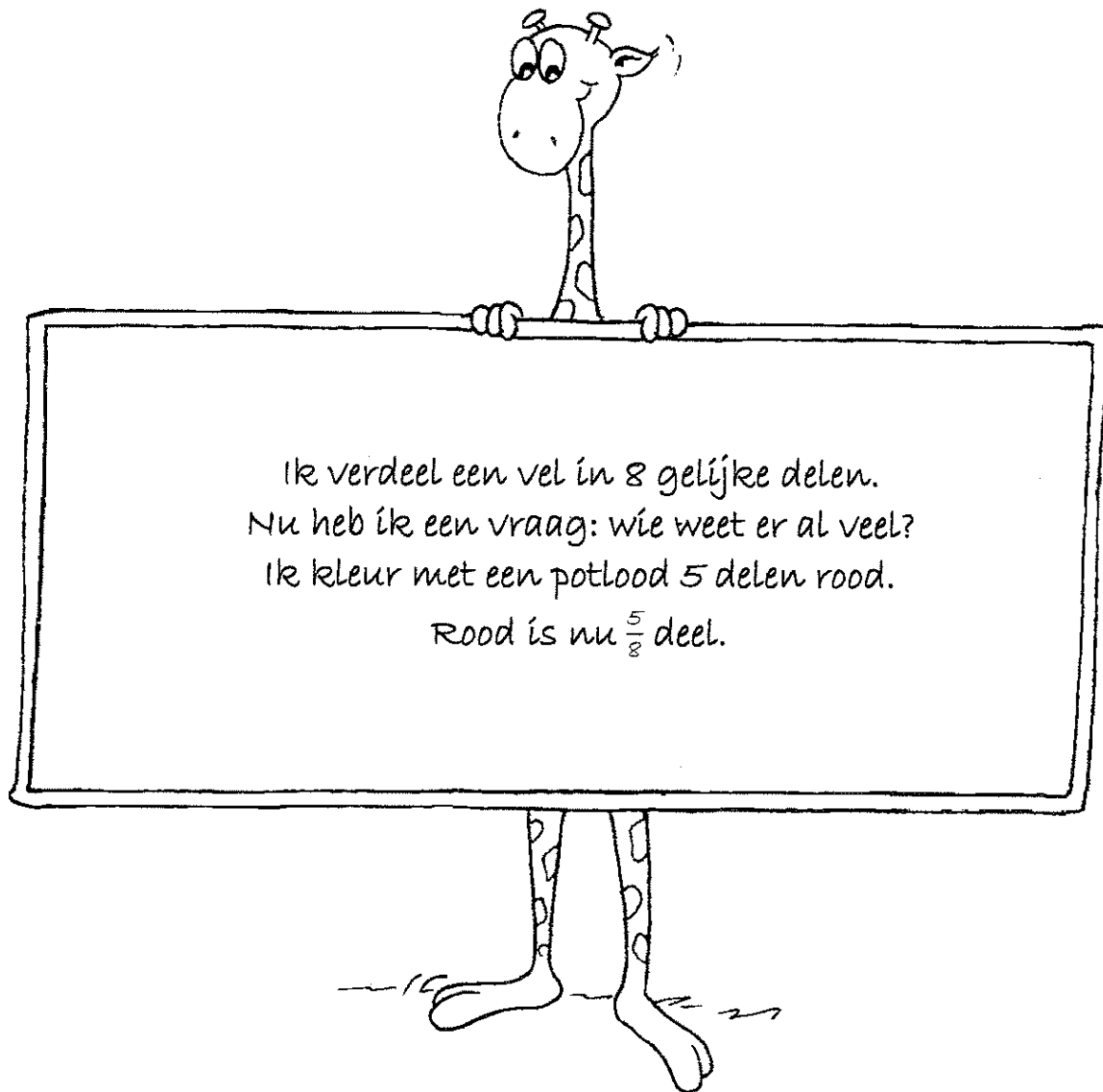
Nu jij:



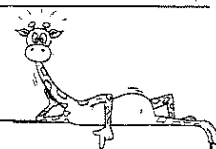
Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:

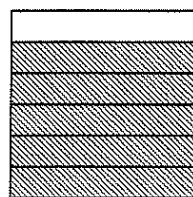
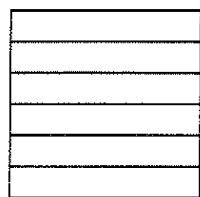




8. Kleur zelf een deel en schrijf het deel erbij.



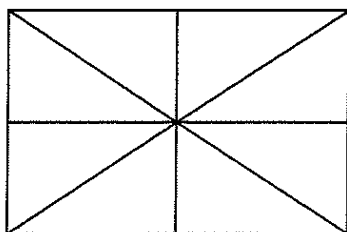
Voorbeeld:



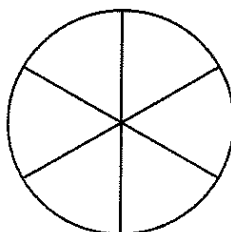
$\frac{5}{6}$ deel

$\frac{5}{6}$ deel

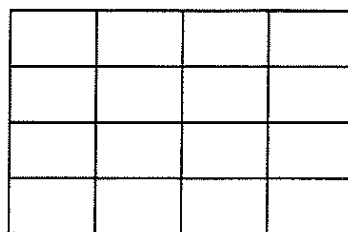
Nu jij:



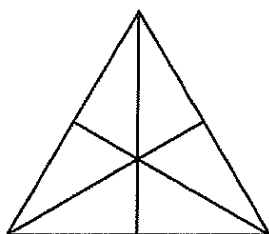
$\frac{\quad}{\quad}$ deel



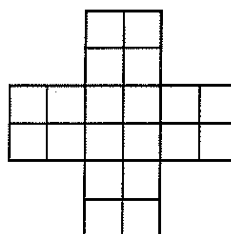
$\frac{\quad}{\quad}$ deel



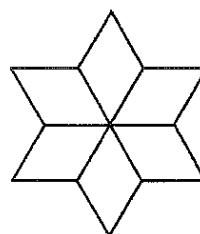
$\frac{\quad}{\quad}$ deel



$\frac{\quad}{\quad}$ deel



$\frac{\quad}{\quad}$ deel



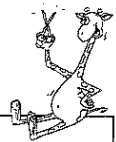
$\frac{\quad}{\quad}$ deel

Bedenk zelf 1 opgave:

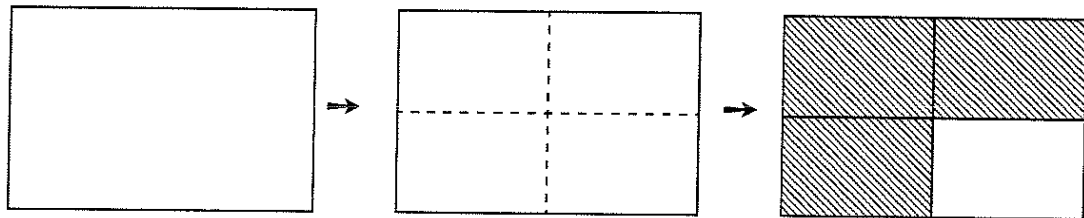
Deze bladzijde
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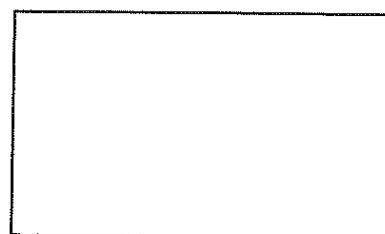
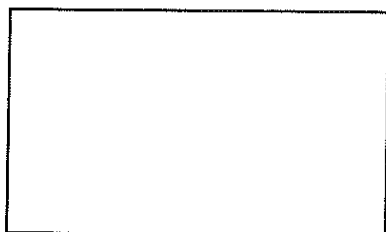
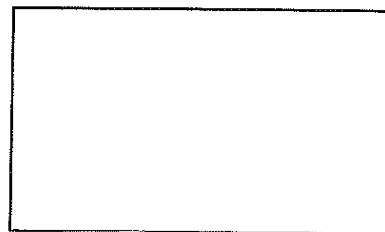
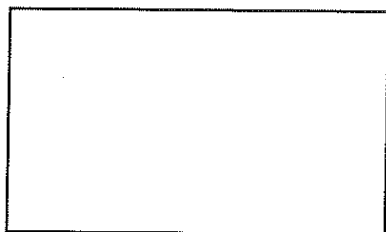
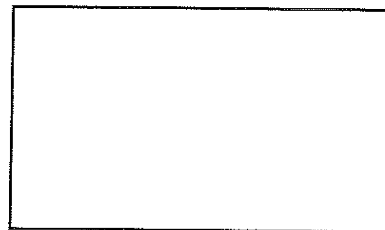
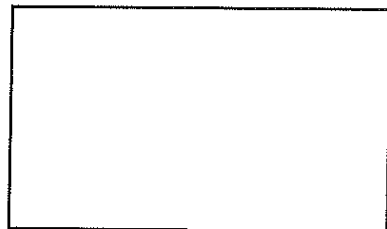
9. Knip de rechthoeken uit. Vouw en kleur $\frac{3}{4}$ deel op verschillende manieren. Plak de figuren op de volgende bladzijde.



Voorbeeld:



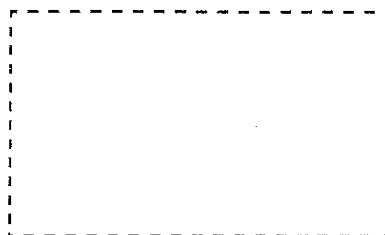
Nu jij:



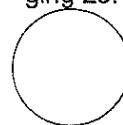
Plak hier de rechthoeken.



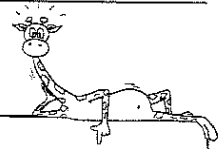
Nu jij:



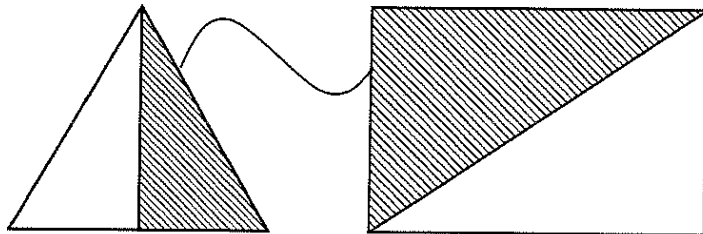
Deze bladzijde
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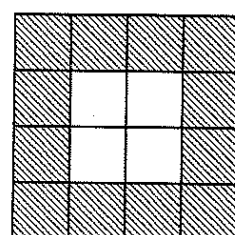
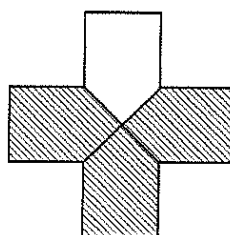
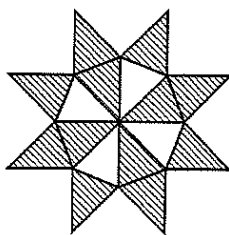
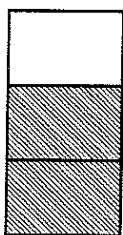
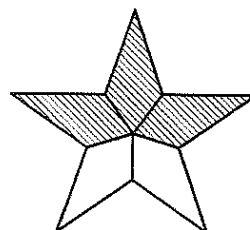
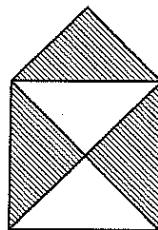
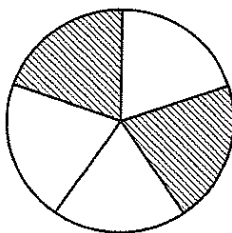
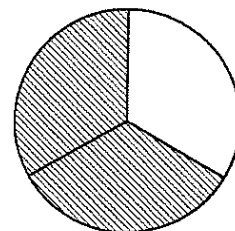
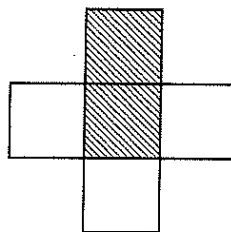
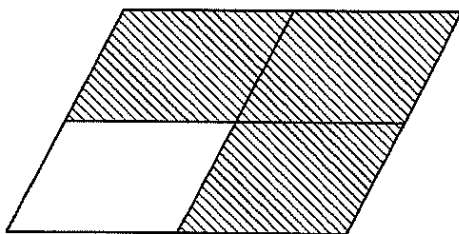
10. Zoek de figuren bij elkaar waarvan hetzelfde deel is gekleurd.



Voorbeeld:

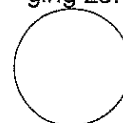


Nu jij:

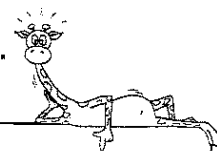


Bedenk zelf 1 opgave:

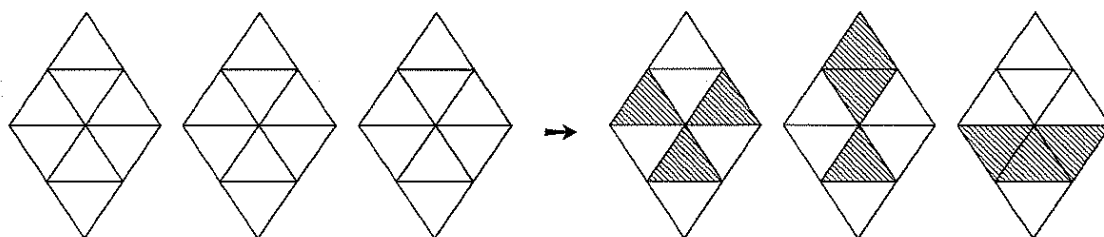
Deze bladzijde
ging zo:



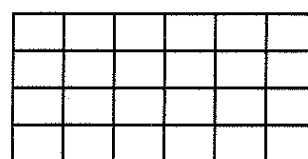
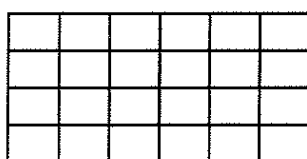
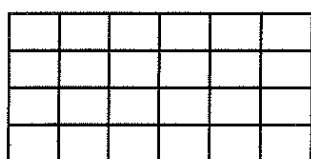
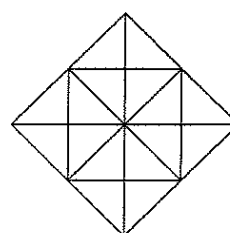
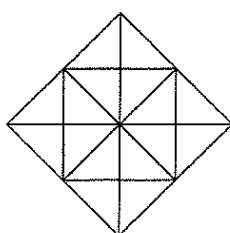
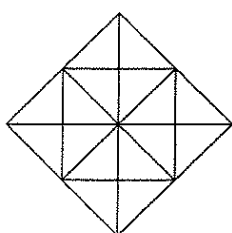
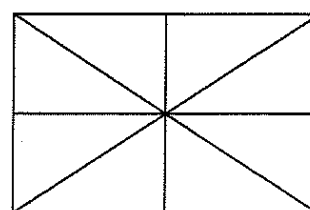
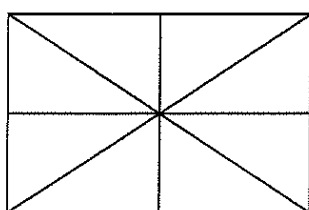
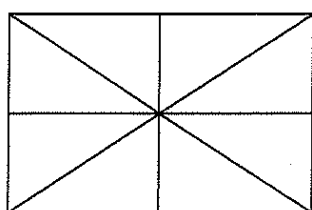
11. Kleur $\frac{3}{8}$ deel van het figuur op verschillende manieren.



Voorbeeld:



Nu jij:

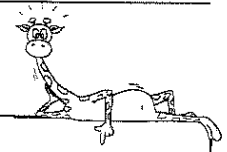


Bedenk zelf 1 opgave:

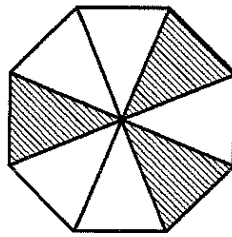
Deze bladzijde
ging zo:



12. Welk deel van het figuur is gekleurd?

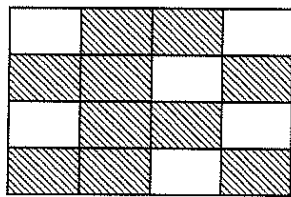


Voorbeeld:

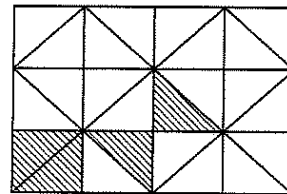


$\frac{3}{8}$ deel is gekleurd

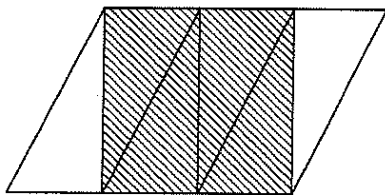
Nu jij:



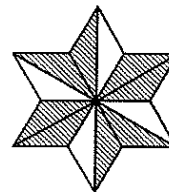
$\frac{8}{16}$ deel is gekleurd



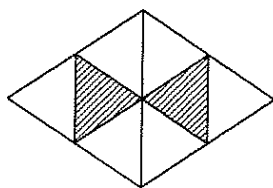
$\frac{8}{16}$ deel is gekleurd



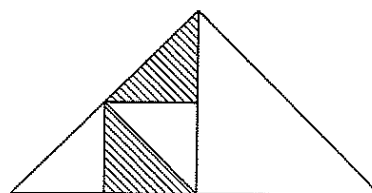
$\frac{2}{4}$ deel is gekleurd



$\frac{6}{12}$ deel is gekleurd



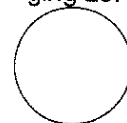
$\frac{2}{4}$ deel is gekleurd



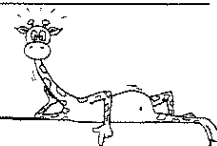
$\frac{1}{4}$ deel is gekleurd

Bedenk zelf 1 opgave:

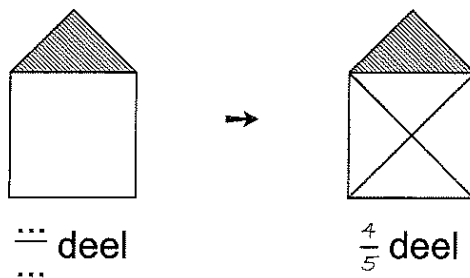
Deze bladzijde
ging zo:



13. Welk deel is niet gekleurd?

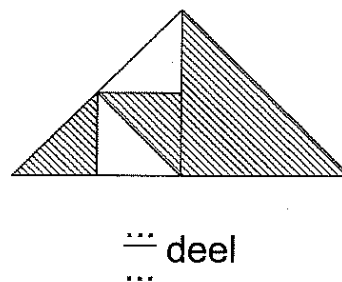
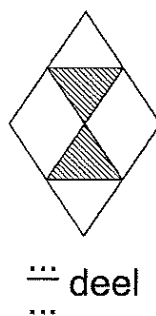
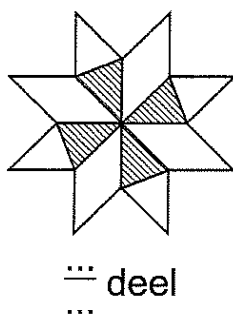
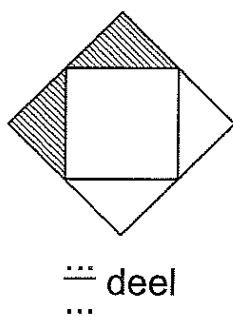
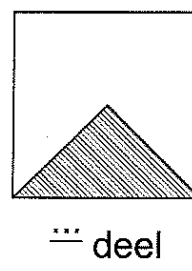
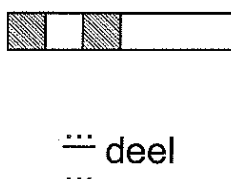
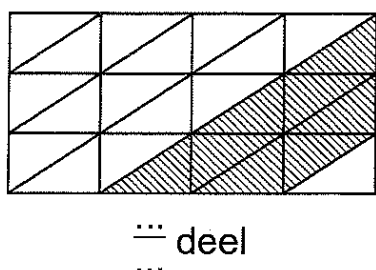
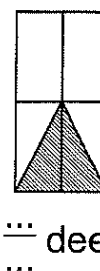
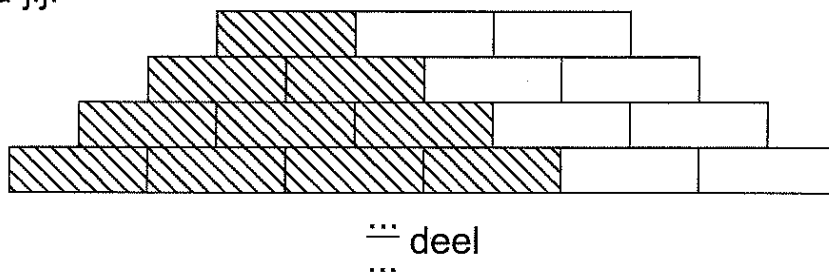


Voorbeeld:



$\frac{4}{5}$ deel

Nu jij:

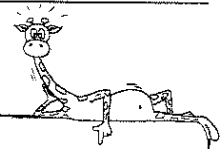


Bedenk zelf 1 opgave:

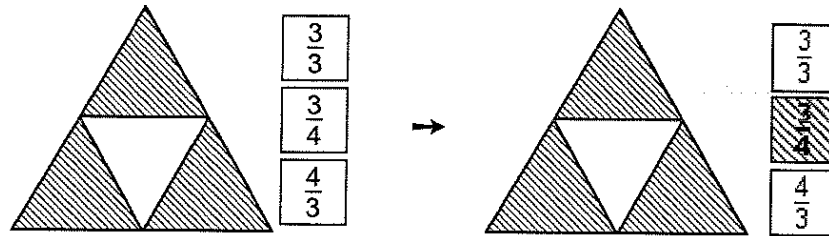
Deze bladzijde
ging zo:



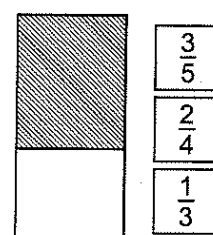
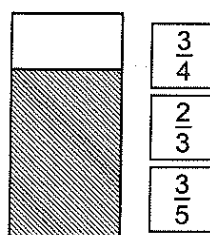
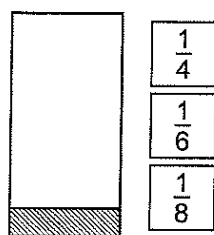
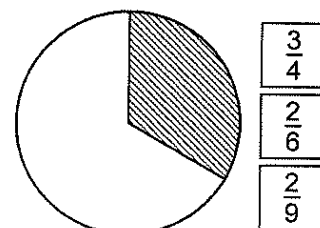
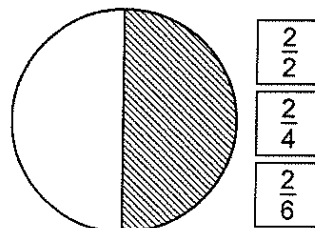
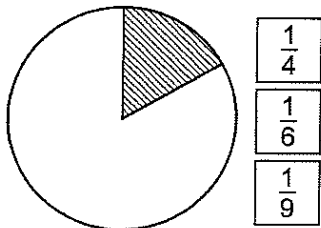
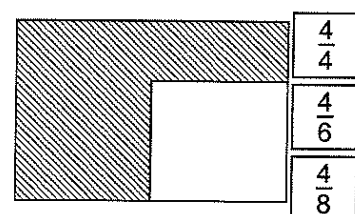
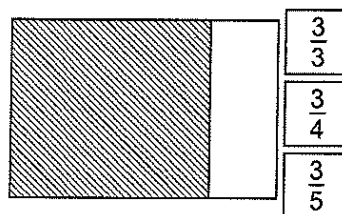
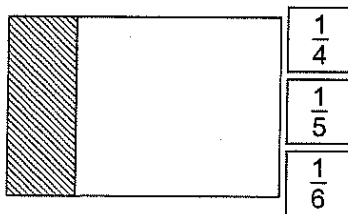
14. Welk deel is gekleurd? Kleur het antwoord.



Voorbeeld:

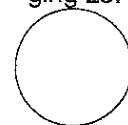


Nu jij:

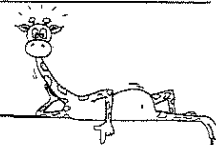


Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:



15. Welk deel van de strook is gekleurd denk je?



Voorbeeld:



$\frac{4}{5}$ deel

Nu jij:



$\frac{...}{...}$ deel



$\frac{...}{...}$ deel



$\frac{...}{...}$ deel



$\frac{...}{...}$ deel



$\frac{...}{...}$ deel



$\frac{...}{...}$ deel

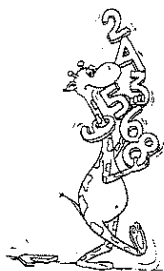


$\frac{...}{...}$ deel

Bedenk zelf 1 opgave:

Deze bladzijde
ging zo:





Domino

Uitleg:

- Dit spel kun je alleen spelen, maar ook met 2, 3 of 4 spelers.
- Knip alle dominostenen uit.
- Aan de ene kant van de dominosteen staat een breuk geschreven en aan de andere kant staat een afbeelding van een breuk.
- Alle dominostenen worden onder de spelers verdeeld.
- Bedenk wie begint.
- De volgende speler mag een steen aanleggen. Als dit niet kan is de volgende speler aan de beurt.
- Wie is als eerste al zijn stenen kwijt?



Dominostenen:

$\frac{1}{1}$		$\frac{1}{5}$	
$\frac{1}{2}$		$\frac{2}{5}$	
$\frac{2}{2}$		$\frac{3}{5}$	
$\frac{1}{3}$		$\frac{4}{5}$	
$\frac{2}{3}$		$\frac{5}{5}$	
$\frac{3}{3}$		$\frac{1}{6}$	
$\frac{1}{4}$		$\frac{2}{6}$	
$\frac{2}{4}$		$\frac{3}{6}$	
$\frac{3}{4}$		$\frac{4}{6}$	
$\frac{4}{4}$		$\frac{5}{6}$	



Dominostenen (vervolg):

$\frac{6}{6}$		$\frac{3}{8}$	
$\frac{1}{7}$		$\frac{4}{8}$	
$\frac{2}{7}$		$\frac{5}{8}$	
$\frac{3}{7}$		$\frac{6}{8}$	
$\frac{4}{7}$		$\frac{7}{8}$	
$\frac{5}{7}$		$\frac{8}{8}$	
$\frac{6}{7}$		$\frac{1}{9}$	
$\frac{7}{7}$		$\frac{2}{9}$	
$\frac{1}{8}$		$\frac{3}{9}$	
$\frac{2}{8}$		$\frac{4}{9}$	



Dominostenen (vervolg):

$\frac{5}{9}$	
$\frac{6}{9}$	
$\frac{7}{9}$	
$\frac{8}{9}$	
$\frac{9}{9}$	
$\frac{1}{10}$	
$\frac{2}{10}$	
$\frac{3}{10}$	
$\frac{4}{10}$	
$\frac{5}{10}$	
$\frac{6}{10}$	
$\frac{7}{10}$	
$\frac{8}{10}$	
$\frac{9}{10}$	
$\frac{10}{10}$	
$\frac{1}{12}$	
$\frac{2}{12}$	
$\frac{3}{12}$	
$\frac{4}{12}$	
$\frac{5}{12}$	



Dominostenen (vervolg):

$\frac{6}{12}$	
$\frac{7}{12}$	
$\frac{8}{12}$	
$\frac{9}{12}$	

$\frac{10}{12}$	
$\frac{11}{12}$	
$\frac{12}{12}$	



Bingo breuken noemen

Uitleg:

- Knip de BINGO-kaarten uit. Knip ook de breukenkaartjes uit.
- Van te voren worden de breuken geselecteerd die meedoen met de BINGO-ronde.
- Iedereen vult op zijn/haar BINGO-kaart 9 breuken in.
- De spelleider trekt een breukenkaart, leest de breuk voor, wacht 3 tellen en trekt de volgende kaart.
- Wie heeft als eerste zijn/haar kaart vol? Of wie heeft als eerste een rij of kolom vol?



BINGO-kaarten:



Breukenkaartjes:

$\frac{1}{1}$	$\frac{1}{2}$	$\frac{2}{2}$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{3}{3}$
$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$	$\frac{1}{5}$	$\frac{2}{5}$
$\frac{3}{5}$	$\frac{4}{5}$	$\frac{5}{5}$	$\frac{1}{6}$	$\frac{2}{6}$	$\frac{3}{6}$
$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$	$\frac{1}{7}$	$\frac{2}{7}$	$\frac{3}{7}$
$\frac{4}{7}$	$\frac{5}{7}$	$\frac{6}{7}$	$\frac{7}{7}$	$\frac{1}{8}$	$\frac{2}{8}$
$\frac{3}{8}$	$\frac{4}{8}$	$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$
$\frac{1}{9}$	$\frac{2}{9}$	$\frac{3}{9}$	$\frac{4}{9}$	$\frac{5}{9}$	$\frac{6}{9}$
$\frac{7}{9}$	$\frac{8}{9}$	$\frac{9}{9}$	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$
$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$
$\frac{10}{10}$					



Maak eerst de toets van blok 3 voordat je begint bij blok 4.

Let op:

De toets van blok 3 bestaat uit 3 opgaven.

Met de toets van blok 3 kom je erachter wat je al weet en wat je nog niet weet. Zo kunnen we zien welke onderdelen van dit blok je nog extra moet oefenen.

Denk rustig na en doe je best.

