

# Graad 5 – Boek B

(Onderwysers Handleiding)

**(KABV uitgawe)**

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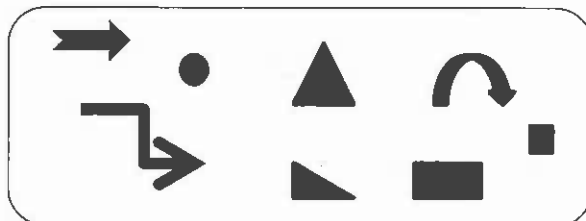
## Hoofstuk B1

### Breuke

#### Oefening 1:

Datum: \_\_\_\_\_

(1) Beantwoord die vrae.



- |  |                                 |
|--|---------------------------------|
| (a) Hoeveel elemente is daar in die blok?                              | <u>8</u>                        |
| (b) Hoeveel elemente is pyle?  | <u>3</u>                        |
| (c) Watter breukdeel van die elemente is pyle?                         | <u><math>\frac{3}{8}</math></u> |
| (d) Watter breukdeel van die elemente is nie pyle nie?                 | <u><math>\frac{5}{8}</math></u> |
| (e) Watter breukdeel is vierhoeke?                                     | <u><math>\frac{2}{8}</math></u> |
| (f) Watter breukdeel is nie vierhoeke nie?                             | <u><math>\frac{6}{8}</math></u> |
| (g) Watter breukdeel is driehoeke?                                     | <u><math>\frac{2}{8}</math></u> |
| (h) Watter breukdeel is nie driehoeke nie?                             | <u><math>\frac{6}{8}</math></u> |
| (i) Watter breukdeel van die elemente is sirkels?                      | <u><math>\frac{1}{8}</math></u> |
| (j) Watter breukdeel van die elemente is nie sirkels of driehoeke nie? | <u><math>\frac{6}{8}</math></u> |

(2) Watter breukdeel is ingekleur en watter breukdeel is nie ingekleur nie?

		BREUKDEEL INGEKLEUR	BREUKDEEL NIE INGEKLEUR NIE
(a)		<u><math>\frac{2}{3}</math></u>	<u><math>\frac{1}{3}</math></u>
(b)		<u><math>\frac{3}{4}</math></u>	<u><math>\frac{1}{4}</math></u>
(c)		<u><math>\frac{3}{6}</math></u>	<u><math>\frac{3}{6}</math></u>
(d)		<u><math>\frac{12}{4}</math></u>	<u><math>\frac{0}{4}</math></u>

Oefening B1A:

Datum: \_\_\_\_\_

2 x tot 5 x

Skryf slegs die antwoord neer:

$3 \times 3 = \underline{9}$

$16 \div 4 = \underline{4}$

$25 \times 4 = \underline{100}$

$7 \times 3 = \underline{21}$

$12 \div 4 = \underline{3}$

$9 \times 3 = \underline{27}$

$36 \div 4 = \underline{9}$

$32 \div 4 = \underline{8}$

$12 \times 5 = \underline{60}$

$25 \div 5 = \underline{5}$

$4 \times 5 = \underline{20}$

$0 \times 3 = \underline{0}$

$24 \div 4 = \underline{6}$

$3 \times 4 = \underline{12}$

$12 \div 3 = \underline{4}$

$48 \div 4 = \underline{12}$

$3 \times 5 = \underline{15}$

$100 \div 4 = \underline{25}$

$7 \times 4 = \underline{28}$

$50 \div 2 = \underline{25}$

$48 \div 4 = \underline{12}$

$8 \times 3 = \underline{24}$

$4 \div 0 = \text{kan nie ongedef.}$

$27 \div 3 = \underline{9}$

$3 \times 4 = \underline{12}$

$100 \div 5 = \underline{20}$

$7 \times 5 = \underline{35}$

$18 \div 3 = \underline{6}$

$30 \div 5 = \underline{6}$

$7 \times 3 = \underline{21}$

$48 \div 2 = \underline{24}$

$70 \div 2 = \underline{35}$

$3 \times 3 = \underline{9}$

$24 \div 2 = \underline{12}$

$4 \times 5 = \underline{20}$

$48 \div 3 = \underline{16}$

$12 \times 3 = \underline{36}$

$20 \times 5 = \underline{100}$

$28 \div 4 = \underline{7}$

$24 \div 4 = \underline{6}$

Totaal: Totaal: Totaal: Totaal: 

Totaal uit 40:

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Gebruik die tabel om die breuke te vergelyk.

1 hele							
$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

(3) Vul in:  $>$ ;  $<$  of  $=$

(a)  $\frac{4}{4} > \frac{1}{2}$

(b)  $\frac{1}{8} < \frac{1}{4}$

(c)  $\frac{2}{4} = \frac{1}{2}$

(d)  $\frac{4}{4} = \frac{2}{2}$

(f)  $\frac{3}{8} < \frac{2}{4}$

(f)  $\frac{1}{8} < \frac{1}{2}$

(g)  $\frac{6}{8} = \frac{3}{4}$

(h)  $\frac{1}{1} = \frac{4}{4}$

(i)  $\frac{8}{8} = \frac{2}{2}$

(j)  $\frac{1}{4} < \frac{3}{8}$

(k)  $\frac{1}{2} < \frac{3}{4}$

(l)  $\frac{4}{4} > \frac{4}{8}$

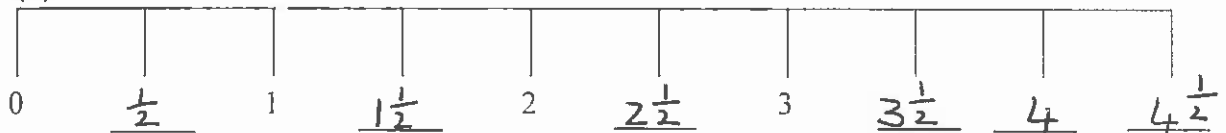
(m)  $\frac{5}{8} > \frac{1}{2}$

(n)  $\frac{1}{1} = \frac{8}{8}$

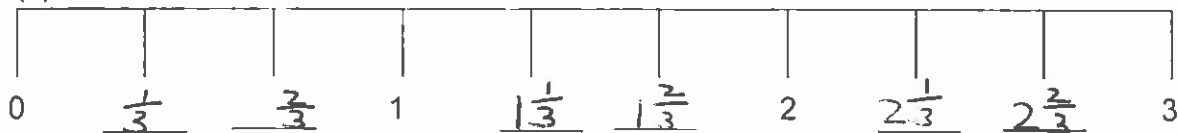
(o)  $\frac{4}{8} = \frac{1}{2}$

(4) Voltooi die getallelyne:

(a)



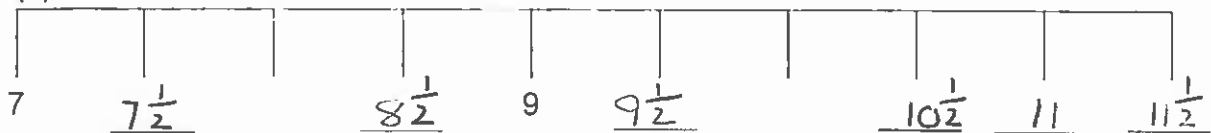
(b)



(c)



(d)



## VERMENIGVULDIGING EN DELING (Spoedtoets)

Oefening B1B:

Datum: \_\_\_\_\_

6 x tot 7 x

Skryf slegs die antwoord neer:

$3 \times 7 = \underline{21}$

$18 \div 6 = \underline{3}$

$7 \times 6 = \underline{42}$

$11 \times 7 = \underline{77}$

$63 \div 7 = \underline{9}$

$6 \times 7 = \underline{42}$

$49 \div 7 = \underline{7}$

$28 \div 7 = \underline{4}$

$7 \times 7 = \underline{49}$

$84 \div 7 = \underline{12}$

$12 \times 6 = \underline{72}$

$6 \times 7 = \underline{42}$

$24 \div 6 = \underline{4}$

$12 \times 7 = \underline{84}$

$48 \div 6 = \underline{8}$

$60 \div 6 = \underline{10}$

$8 \times 7 = \underline{56}$

$54 \div 6 = \underline{9}$

$9 \times 7 = \underline{63}$

$6 \times 6 = \underline{36}$

$48 \div 6 = \underline{8}$

$5 \times 7 = \underline{35}$

$16 \div 0 = \text{Kan nie. ongedef.}$

$77 \div 7 = \underline{11}$

$0 \times 6 = \underline{0}$

$7 \div 7 = \underline{1}$

$6 \times 6 = \underline{36}$

$35 \div 7 = \underline{5}$

$72 \div 6 = \underline{12}$

$5 \times 7 = \underline{35}$

$84 \div 7 = \underline{12}$

$9 \times 6 = \underline{54}$

$3 \times 6 = \underline{18}$

$36 \div 6 = \underline{6}$

$7 \times 7 = \underline{49}$

$30 \div 6 = \underline{5}$

$12 \times 7 = \underline{84}$

$9 \times 7 = \underline{63}$

$49 \div 7 = \underline{7}$

$72 \div 6 = \underline{12}$

Totaal: Totaal: Totaal: Totaal: 

Totaal uit 40:

$16 \div 0 = \text{ongedef}$

af

$16 \div 0 = \text{ontoelaatbaar}$

EGTE BREUK	ONEGTE BREUK	GEMENGDE GETAL
$\frac{3}{4}$	$\frac{5}{4}$	$1\frac{1}{4}$
Die breuk is <b>kleiner</b> as 1 hele. Die teller is dus kleiner as die noemer.	Die breuk is <b>groter</b> as 1 hele. Die teller is dus groter as die noemer.	Die breuk is <b>groter</b> as 1 hele.

**Oefening 2:**

Datum: \_\_\_\_\_





(1) Klassifiseer die breuke as egte breuke, onegte breuke of gemengde getalle.

$\frac{1}{3}$	$\frac{4}{3}$	$\frac{1}{5}$	$1\frac{1}{5}$
<u>egte</u>	<u>onegte</u>	<u>egte</u>	<u>gemengde</u>
breuk	breuk	breuk	getal



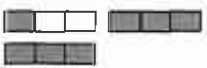

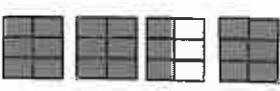
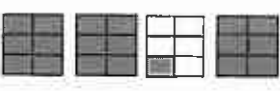
(2) Omkring al die breuke wat meer as 1 hele is.

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

(3) Hoeveel heles is daar in elk van die volgende?

(a)  $\frac{6}{3} = \underline{2}$ (c)  $\frac{12}{4} = \underline{3}$ (e) ? $\frac{8}{2} = \underline{4}$ (g) ? $\frac{20}{2} = \underline{10}$ (i) ? $\frac{12}{4} = \underline{3}$	(b)  $\frac{9}{3} = \underline{3}$ (d)  $\frac{10}{5} = \underline{2}$ (f) ? $\frac{16}{4} = \underline{4}$ (h) ? $\frac{36}{4} = \underline{9}$ (j) ? $\frac{18}{2} = \underline{9}$
---	---

(4) Watter breukdeel is elke keer ingekleur? Skryf dit ook as 'n gemengde getal.

(a)  $\rightarrow \frac{7}{4} = 1\frac{3}{4}$ (c)  $\rightarrow \frac{10}{3} = 3\frac{1}{3}$ (e)  $\rightarrow \frac{7}{3} = 2\frac{1}{3}$	(b)  $\rightarrow \frac{17}{6} = 2\frac{5}{6}$ (d)  $\rightarrow \frac{21}{6} = 3\frac{3}{6}$ (f)  $\rightarrow \frac{19}{6} = 3\frac{1}{6}$
---	--





1 HELE											
$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

**Oefening 3:**

Datum: \_\_\_\_\_

(1) Voltooi met ekwivalente breuke:

$$1 = \frac{2}{2} = \frac{3}{3} = \frac{6}{6} = \frac{12}{12}$$

(2) Kyk na die diagram bo aan die bladsy en beantwoord die vrae.

<p>(a) <math>\frac{2}{6} = \frac{1}{3}</math> derde</p> <p>(c) <math>\frac{2}{3} = \frac{4}{6}</math> sesdes</p> <p>(e) <math>\frac{3}{6} = \frac{1}{2}</math> halwe</p> <p>(g) <math>\frac{1}{2} = \frac{6}{12}</math> twaalfdes</p> <p>(i) <math>\frac{1}{2} = \frac{3}{6}</math> sesdes</p> <p>(k) <math>\frac{3}{3} = 1</math> hele</p> <p>(m) <math>\frac{12}{12} = 1</math> hele</p> <p>*(o) <math>\frac{9}{3} = 3</math> heles</p> <p>*(q) <math>\frac{12}{3} = 4</math> heles</p> <p>*(s) <math>\frac{36}{12} = 3</math> heles</p>	<p>(b) <math>\frac{6}{6} = 1</math> hele</p> <p>(d) <math>\frac{4}{12} = \frac{1}{3}</math> derde</p> <p>(f) <math>\frac{8}{12} = \frac{2}{3}</math> sesdes</p> <p>(h) <math>\frac{1}{3} = \frac{4}{12}</math> twaalfdes</p> <p>(j) <math>\frac{4}{6} = \frac{8}{12}</math> twaalfdes</p> <p>(l) <math>\frac{1}{1} = 1</math> hele</p> <p>*(n) <math>\frac{4}{2} = 2</math> heles</p> <p>*(p) <math>\frac{24}{12} = 2</math> heles</p> <p>*(r) <math>\frac{18}{3} = 6</math> heles</p> <p>*(t) <math>\frac{24}{6} = 4</math> heles</p>
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(3) Voltooi met die regte getalle om heles te maak.

<p>(a) <math>\frac{10}{2} = 5</math></p> <p>(d) <math>\frac{8}{4} = 2</math></p> <p>(g) <math>\frac{10}{5} = 2</math></p>	<p>(b) <math>\frac{6}{3} = 2</math></p> <p>(e) <math>\frac{16}{4} = 4</math></p> <p>(h) <math>\frac{24}{4} = 6</math></p>	<p>(c) <math>\frac{9}{3} = 3</math></p> <p>(f) <math>\frac{10}{2} = 5</math></p> <p>(i) <math>\frac{15}{5} = 3</math></p>
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## Gemengde getalle en onegte breuke

### Oefening 4:

Datum: \_\_\_\_\_

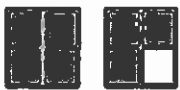
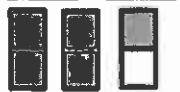

(1) Hoeveel heles is daar elke keer en hoeveel van die breuk bly oor?

- (a)  $\frac{9}{5} = \frac{5}{5} + \frac{4}{5} =$  1 hele en 4 vyfdes
- (b)  $\frac{11}{6} = \frac{6}{6} + \frac{5}{6} =$  1 hele en 5 sesdes
- (c)  $\frac{9}{7} = \frac{7}{7} + \frac{2}{7} =$  1 hele en 2 sewendes
- (d)  $\frac{15}{6} = \frac{6}{6} + \frac{6}{6} + \frac{3}{6} =$  2 heles en 3 sesdes
- \*(e)  $\frac{7}{3} = \frac{3}{3} + \frac{3}{3} + \frac{1}{3} =$  2 heles en 1 derdes
- \*(f)  $\frac{19}{7} = \frac{7}{7} + \frac{7}{7} + \frac{5}{7} =$  2 heles en 5 sewendes
- (g)  $\frac{9}{6} = \frac{6}{6} + \frac{3}{6} =$  1 hele en 3 sesdes
- (h)  $\frac{6}{5} = \frac{5}{5} + \frac{1}{5} =$  1 hele en 1 vyfdes

(2) Skryf dit nou andersom:

- (a)  $1\frac{3}{5} = \frac{5}{5} + \frac{3}{5} = \frac{8}{5}$
- (b)  $2\frac{2}{3} = \frac{3}{3} + \frac{3}{3} + \frac{2}{3} = \frac{8}{3}$
- (c)  $1\frac{3}{7} = \frac{7}{7} + \frac{3}{7} = \frac{10}{7}$
- (d)  $1\frac{5}{6} = \frac{6}{6} + \frac{5}{6} = \frac{11}{6}$
- (e)  $2\frac{1}{3} = \frac{3}{3} + \frac{3}{3} + \frac{1}{3} = \frac{7}{3}$
- (f)  $2\frac{1}{7} = \frac{7}{7} + \frac{7}{7} + \frac{1}{7} = \frac{15}{7}$
- (g)  $2\frac{2}{4} = \frac{4}{4} + \frac{4}{4} + \frac{2}{4} = \frac{10}{4}$

(3) Skryf somme om die volgende tekeninge te pas:


- |     | Aantal<br>ingekleur   |                                 | onegte breuk                        |
|-----|---|---------------------------------|-------------------------------------|
| (a) |  | = <u>1</u> hele <u>3</u> kwarte | of <u><math>\frac{7}{4}</math></u>  |
| (b) |  | = <u>2</u> heles <u>1</u> halwe | of <u><math>\frac{5}{2}</math></u>  |
| (c) |  | = <u>3</u> heles <u>1</u> derde | of <u><math>\frac{10}{3}</math></u> |



## Ekwivalente breuke (Dit beteken breuke wat dieselfde waarde het.)

### Oefening 5:

Datum: \_\_\_\_\_

	$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$	<b>daarom is:</b> $\frac{1}{2} = \frac{3}{6}$
---	--	---

(1) Skryf ekwivalente breuke neer: **GOUE REËL:** Wat jy bo doen moet jy onder doen.

(a)  $\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$

(b)  $\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$

(c)  $\frac{1}{3} \times \frac{3}{3} = \frac{3}{9}$

(d)  $\frac{2}{5} \times \frac{2}{2} = \frac{4}{10}$

(e)  $\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$

(f)  $\frac{3}{4} \times \frac{5}{5} = \frac{15}{20}$

(g)  $\frac{3}{6} \times \frac{2}{2} = \frac{6}{12}$

(h)  $\frac{5}{8} \times \frac{2}{2} = \frac{10}{16}$

(i)  $\frac{1}{9} \times \frac{2}{2} = \frac{2}{18}$

(j)  $\frac{4}{7} \times \frac{2}{2} = \frac{8}{14}$

(k)  $\frac{3}{6} \times \frac{2}{2} = \frac{6}{12}$

(l)  $\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$

(m)  $\frac{4}{9} \times \frac{10}{10} = \frac{40}{90}$

(n)  $\frac{2}{9} \times \frac{9}{9} = \frac{18}{81}$

(o)  $\frac{1}{5} \times \frac{14}{14} = \frac{14}{70}$

(2) Vul die regte getalle in om elke stelling waar te maak:

(a)  $\frac{1}{2} = \frac{3}{6}$

(b)  $\frac{1}{2} = \frac{2}{4}$

(c)  $\frac{1}{2} = \frac{4}{8}$

(d)  $\frac{1}{2} = \frac{5}{10}$

(e)  $\frac{1}{4} = \frac{2}{8}$

(f)  $\frac{1}{4} = \frac{3}{12}$

(g)  $\frac{1}{4} = \frac{5}{20}$

(h)  $\frac{1}{4} = \frac{4}{16}$

(i)  $\frac{1}{3} = \frac{2}{6}$

(j)  $\frac{1}{3} = \frac{4}{12}$

(k)  $\frac{1}{3} = \frac{6}{18}$

(l)  $\frac{1}{3} = \frac{7}{21}$

(m)  $\frac{1}{5} = \frac{2}{10}$

(n)  $\frac{1}{5} = \frac{8}{40}$

(o)  $\frac{1}{5} = \frac{4}{20}$

(p)  $\frac{1}{5} = \frac{6}{30}$

(q)  $\frac{2}{6} = \frac{4}{12}$

(r)  $\frac{4}{5} = \frac{12}{15}$

(s)  $\frac{2}{3} = \frac{20}{30}$

(t)  $\frac{4}{6} = \frac{16}{24}$

(u)  $\frac{3}{4} = \frac{18}{24}$

(v)  $\frac{4}{8} = \frac{16}{32}$

(w)  $\frac{5}{7} = \frac{25}{35}$


(x)  $\frac{4}{6} = \frac{24}{36}$



## Nog ekwivalente breuke (Vereenvoudig)

**Oefening 6:**

Datum: \_\_\_\_\_



$$\frac{6}{12} \div \frac{2}{2} = \frac{1}{2} \quad \text{daarom is: } \frac{3}{6} = \frac{1}{2}$$

(1) Skryf ekwivalente breuke neer: **GOUE REËL:** Wat jy bo doen moet jy onder doen.

(a)  $\frac{6}{12} \div \frac{2}{2} = \frac{1}{2}$

(b)  $\frac{9}{12} \div \frac{3}{3} = \frac{3}{4}$

(c)  $\frac{4}{8} \div \frac{4}{4} = \frac{1}{2}$

(d)  $\frac{6}{8} \div \frac{2}{2} = \frac{3}{4}$

(e)  $\frac{12}{15} \div \frac{3}{3} = \frac{4}{5}$

(f)  $\frac{5}{10} \div \frac{5}{5} = \frac{1}{2}$

(g)  $\frac{7}{14} \div \frac{7}{7} = \frac{1}{2}$

(h)  $\frac{8}{16} \div \frac{8}{8} = \frac{1}{2}$

(i)  $\frac{9}{18} \div \frac{9}{9} = \frac{1}{2}$

(j)  $\frac{18}{21} \div \frac{3}{3} = \frac{6}{7}$

(k)  $\frac{12}{24} \div \frac{12}{12} = \frac{1}{2}$

(l)  $\frac{24}{30} \div \frac{6}{6} = \frac{4}{5}$

(m)  $\frac{20}{30} \div \frac{10}{10} = \frac{2}{3}$

(n)  $\frac{9}{27} \div \frac{9}{9} = \frac{1}{3}$

(o)  $\frac{15}{20} \div \frac{5}{5} = \frac{3}{4}$

(2) Vul in regte getalle in om die stelling waar te maak:

(a)  $\frac{3}{6} = \frac{1}{2}$

(b)  $\frac{6}{12} = \frac{1}{2}$

(c)  $\frac{10}{20} = \frac{1}{2}$

(d)  $\frac{9}{18} = \frac{1}{2}$

(e)  $\frac{3}{12} = \frac{1}{4}$

(f)  $\frac{5}{20} = \frac{1}{4}$

(g)  $\frac{4}{16} = \frac{1}{4}$

(h)  $\frac{6}{24} = \frac{1}{4}$

(i)  $\frac{4}{12} = \frac{1}{3}$

(j)  $\frac{5}{15} = \frac{1}{3}$

(k)  $\frac{2}{6} = \frac{1}{3}$

(l)  $\frac{3}{9} = \frac{1}{3}$

(3) Hoeveel heles is daar?

(a)  $\frac{12}{6} = \underline{2}$

(b)  $\frac{14}{7} = \underline{2}$

(c)  $\frac{21}{3} = \underline{7}$

(d)  $\frac{18}{6} = \underline{3}$

(e)  $\frac{24}{6} = \underline{4}$

(f)  $\frac{30}{6} = \underline{5}$

(g)  $\frac{16}{4} = \underline{4}$

(h)  $\frac{20}{5} = \underline{4}$

(i)  $\frac{28}{4} = \underline{7}$





## Optel van breuke

### Oefening 7:

Datum: \_\_\_\_\_

(1) Voltooi die patroon:

(a)

$$4 \rightarrow +\frac{1}{2} \rightarrow \boxed{4\frac{1}{2}} \rightarrow +\frac{1}{2} \rightarrow \boxed{5} \rightarrow +\frac{1}{2} \rightarrow \boxed{5\frac{1}{2}}$$

(b)

$$6 \rightarrow +\frac{1}{2} \rightarrow \boxed{6\frac{1}{2}} \rightarrow +\frac{1}{2} \rightarrow \boxed{7} \rightarrow +\frac{1}{2} \rightarrow \boxed{7\frac{1}{2}}$$

$$\boxed{9} \leftarrow +\frac{1}{2} \leftarrow \boxed{8\frac{1}{2}} \leftarrow +\frac{1}{2} \leftarrow \boxed{8} \leftarrow +\frac{1}{2}$$

(c)

$$3 \rightarrow +\frac{1}{4} \rightarrow \boxed{3\frac{1}{4}} \rightarrow +\frac{1}{4} \rightarrow \boxed{3\frac{2}{4}} \rightarrow +\frac{1}{4} \rightarrow \boxed{3\frac{3}{4}}$$

$$\boxed{5} \leftarrow +\frac{1}{4} \leftarrow \boxed{4\frac{1}{4}} \leftarrow +\frac{1}{4} \leftarrow \boxed{4} \leftarrow +\frac{1}{4}$$

(2) Tel die breuke op:

<p>(a) <math>\frac{1}{4} + \frac{1}{4} = \frac{2}{4} \text{ of } \frac{1}{2}</math></p>	<p>(b) <math>\frac{1}{5} + \frac{3}{5} = \frac{4}{5}</math></p>	<p>(c) <math>\frac{1}{3} + \frac{2}{3} = \frac{3}{3} \text{ of } 1</math></p>
<p>(d) <math>\frac{1}{4} + \frac{3}{4} = \frac{4}{4} \text{ of } 1</math></p>	<p>(e) <math>\frac{2}{5} + \frac{2}{5} = \frac{4}{5}</math></p>	<p>(f) <math>\frac{3}{6} + \frac{1}{6} = \frac{4}{6} \text{ of } \frac{2}{3}</math></p>
<p>(g) <math>\frac{2}{7} + \frac{3}{7} = \frac{5}{7}</math></p>	<p>(h) <math>\frac{5}{10} + \frac{1}{10} = \frac{6}{10} \text{ of } \frac{3}{5}</math></p>	<p>(i) <math>\frac{4}{8} + \frac{2}{8} = \frac{6}{8} \text{ of } \frac{3}{4}</math></p>
<p>(j) <math>\frac{3}{9} + \frac{6}{9} = \frac{9}{9} \text{ of } 1</math></p>	<p>(k) <math>\frac{4}{5} + \frac{1}{5} = \frac{5}{5} \text{ of } 1</math></p>	<p>(l) <math>\frac{2}{2} + \frac{1}{1} = 2</math></p>
<p>(m) <math>\frac{5}{4} + \frac{2}{4} = \frac{7}{4} \text{ of } 1\frac{3}{4}</math></p>	<p>(n) <math>\frac{3}{8} + \frac{4}{8} = \frac{7}{8}</math></p>	<p>(o) <math>\frac{3}{4} + \frac{4}{4} = 1\frac{3}{4} \text{ of } 1\frac{3}{4}</math></p>



**MOEILIKER OPTELLING EN VEREENVOUDIGING****Oefening 8:**

Datum: \_\_\_\_\_

(1) Tel die breuke op en vereenvoudig die antwoord

(a)  $\frac{3}{16} + \frac{5}{16} = \frac{8}{16} \div \frac{8}{8} = \frac{1}{2}$

(b)  $\frac{4}{15} + \frac{8}{15} = \frac{12}{15} \div \frac{3}{3} = \frac{4}{5}$

(c)  $\frac{2}{8} + \frac{2}{8} = \frac{4}{8} \div \frac{4}{4} = \frac{1}{2}$

(d)  $\frac{12}{20} + \frac{3}{20} = \frac{15}{20} \div \frac{5}{5} = \frac{3}{4}$

(e)  $\frac{11}{18} + \frac{1}{18} = \frac{12}{18} \div \frac{6}{6} = \frac{2}{3}$

(f)  $\frac{24}{50} + \frac{6}{50} = \frac{30}{50} \div \frac{10}{10} = \frac{3}{5}$

(g)  $\frac{15}{30} + \frac{5}{30} = \frac{20}{30} \div \frac{10}{10} = \frac{2}{3}$

(h)  $\frac{6}{12} + \frac{2}{12} = \frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$

(i)  $\frac{25}{100} + \frac{35}{100} = \frac{60}{100} \div \frac{20}{20} = \frac{3}{5}$

(j)  $\frac{15}{25} + \frac{5}{25} = \frac{20}{25} \div \frac{5}{5} = \frac{4}{5}$

(2) Watter breuk moet elke keer bygetel word?

(a)  $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

(b)  $\frac{3}{6} + \frac{3}{6} = \frac{6}{6}$

(c)  $\frac{2}{10} + \frac{6}{10} = \frac{8}{10}$

(d)  $\frac{3}{15} + \frac{9}{15} = \frac{12}{15}$

(e)  $\frac{2}{5} + \frac{3}{5} = 1$

\*(f)  $\frac{2}{5} + \frac{8}{5} = 2$

(g)  $\frac{2}{10} + \frac{7}{10} = \frac{9}{10}$

(h)  $\frac{5}{8} + \frac{3}{8} = 1$

\*(i)  $\frac{4}{6} + \frac{8}{6} = 2$

(j)  $\frac{8}{20} + \frac{8}{20} = \frac{16}{20}$

(k)  $\frac{4}{10} + \frac{6}{10} = 1$

\*(l)  $\frac{1}{2} + \frac{3}{2} = 2$

(m)  $\frac{7}{8} + \frac{1}{8} = 1$

(n)  $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$

\*(o)  $\frac{1}{5} + \frac{19}{5} = 4$

(3) Tel die heelgetalle en die breuke bymekaar.

(a)  $1 + 1\frac{1}{3} = 2\frac{1}{3}$

(b)  $1\frac{1}{4} + 1\frac{1}{4} = 2\frac{2}{4} = 2\frac{1}{2}$

(c)  $4\frac{1}{5} + 1\frac{3}{5} = 5\frac{4}{5}$

(d)  $4\frac{2}{6} + 1\frac{3}{6} = 5\frac{5}{6}$

(e)  $4\frac{1}{3} + 1\frac{1}{3} = 5\frac{2}{3}$

(f)  $1\frac{2}{8} + 1\frac{1}{8} = 2\frac{3}{8}$

(g)  $2\frac{3}{8} + 1\frac{1}{8} = 3\frac{4}{8} = 3\frac{1}{2}$

(h)  $1\frac{2}{6} + 1\frac{3}{6} = 2\frac{5}{6}$

## DELING MET 'n RES (Spoedtoets)

Oefening B1!:

Datum: \_\_\_\_\_

2 x tot 12 x

Skryf slegs die antwoord neer:

$24 \div 5 = 4 \text{ res } 4$

$36 \div 8 = 4 \text{ res } 4$

$72 \div 9 = 8$

$38 \div 7 = 5 \text{ res } 3$

$49 \div 6 = 8 \text{ res } 1$

$62 \div 5 = 12 \text{ res } 2$

$63 \div 4 = 15 \text{ res } 3$

$58 \div 7 = 8 \text{ res } 2$

$66 \div 8 = 8 \text{ res } 2$

$85 \div 9 = 9 \text{ res } 4$

Totaal:

$39 \div 8 = 4 \text{ res } 7$

$44 \div 6 = 7 \text{ res } 2$

$29 \div 7 = 4 \text{ res } 1$

$35 \div 8 = 4 \text{ res } 3$

$30 \div 9 = 3 \text{ res } 3$

$19 \div 4 = 4 \text{ res } 3$

$61 \div 2 = 30 \text{ res } 1$

$33 \div 2 = 16 \text{ res } 1$

$75 \div 6 = 12 \text{ res } 3$

$46 \div 5 = 9 \text{ res } 1$

Totaal:

Totaal uit 20:

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