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Syferkunde
Wiskunde
Leierskap

Hersiening Inoefening Vaslegging
Graad 4 – Kwartaal 3 – 2024
Werkopdrag 1 – Gewone breuke
MEMORANDUM

Afdeling A – Beskryf en benoem gewone breuke:

- 1.1 8
1.2 1 deel
1.3 4 dele
1.4 2 dele
1.5 6 dele
1.6 5 dele (6)

- 2.1 16 blokkies
2.2 8 blokkies
2.3 3 groepies van 4
2.4 7 groepies van 2
2.5 8 blokkies
2.6 4 blokkies
2.7 $5\frac{1}{3}$ blokkies
2.8 $3\frac{1}{5}$ blokkies (8)

3.

Getal blokkies		Breuk	Getal						
1	2	1 Halwe	$\frac{1}{2}$						
1	2	3	1 Derde	$\frac{1}{3}$					
1	2	3	4	1 Kwart	$\frac{1}{4}$				
1	2	3	4	5	1 Vyfde	$\frac{1}{5}$			
1	2	3	4	5	6	1 Sesde	$\frac{1}{6}$		
1	2	3	4	5	6	7	1 Sewende	$\frac{1}{7}$	
1	2	3	4	5	6	7	8	1 Agste	$\frac{1}{8}$

(6)

- 4.1 2 dele word ingekleur
4.2 3 dele word ingekleur
4.3 4 dele word ingekleur
4.4 1 deel word ingekleur
4.5 5 dele word ingekleur (5)
5. $\frac{5}{7}$; $\frac{5}{9}$; $\frac{1}{3}$; $\frac{3}{9}$; $\frac{3}{5}$ (5)

Afdeling B – Rangskik en vergelyk gewone breuke:

1.1 Is 'n $\frac{1}{2}$ meer as $\frac{1}{3}$? **WAAR** (1)

1.2 Is 'n $\frac{1}{8}$ meer as $\frac{1}{7}$? **ONWAAR** (1)

1.3 Is 'n $\frac{1}{7}$ meer as $\frac{1}{5}$? **ONWAAR** (1)

1.4 Is 'n $\frac{1}{8}$ meer as $\frac{1}{3}$? **ONWAAR** (1)

2. $\frac{1}{2}; \frac{1}{3}; \frac{1}{4}; \frac{1}{5}; \frac{1}{6}; \frac{1}{7}; \frac{1}{8}$ 3. $\frac{1}{8}; \frac{1}{7}; \frac{1}{6}; \frac{1}{5}; \frac{1}{4}; \frac{1}{3}; \frac{1}{2}$ (2)

4.1 $\frac{1}{2} > \frac{1}{8}$ 4.2 $\frac{1}{6} < \frac{1}{4}$

4.3 $\frac{2}{7} < \frac{2}{6}$ 4.4 $\frac{5}{6} > \frac{3}{5}$

4.5 $\frac{1}{2} = \frac{4}{8}$ 4.6 $\frac{1}{4} = \frac{2}{8}$

4.7 $\frac{2}{6} = \frac{1}{3}$ 4.8 $\frac{4}{4} = 1$ hele (8)

Afdeling C – Bepaal 'n breuk van 'n groep:

1.1 12 (1)

1.2 6 (2)

1.3 4 (2)

1.4 8 (2)

1.5 $\frac{6}{12}$ (1)

1.6 $\frac{4}{12}$ (1)

1.7 $\frac{3}{12}$ (1)

1.8 $4 + 2 = 6$ (2)

1.9 $\frac{6}{12}$ (1)

1.10 $3 + 2 = 5$ (2)

1.11 $\frac{5}{12}$ (1)

KIDS GENIUS-PROGRAM

1. 2 blokke

2. 8 blokke

3. 4 blokke

4. $\frac{1}{2}$

5. $\frac{1}{8}$

6. $\frac{1}{4}$

2.1 $\frac{1}{2}$ van 18 = $18 \div 2 = 9$ en $9 \times 1 = 9$ (3)

2.2 $\frac{1}{3}$ van 18 = $18 \div 3 = 6$ en $6 \times 1 = 6$ (3)

2.3 $\frac{1}{4}$ van 24 = $24 \div 4 = 6$ en $6 \times 1 = 6$ (3)

2.4 $\frac{1}{5}$ van 30 = $30 \div 5 = 6$ en $6 \times 1 = 6$ (3)

2.5 $\frac{1}{6}$ van 36 = $36 \div 6 = 6$ en $6 \times 1 = 6$ (3)

2.6 $\frac{1}{7}$ van 42 = $42 \div 7 = 6$ en $6 \times 1 = 6$ (3)

2.7 $\frac{1}{8}$ van 56 = $56 \div 8 = 7$ en $7 \times 1 = 7$ (3)

3.1 Teken enige 27 figure en maak groepies van 3. (1)

Bewerkings: $\frac{1}{3}$ van 27

$27 \div 3 = 9$ en $9 \times 1 = 9$ (2)

Antwoord: Elke maatjie kry 9 lekkers. (1)

3.2 Teken 30 figure en maak groepies van 5. (1)

Bewerkings: $\frac{1}{5}$ van 30

$30 \div 5 = 6$ en $6 \times 1 = 6$ (2)

Antwoord: 6 kinders speel tennis. (1)

Afdeling D – Optelling van gewone breuke:

1.1 $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

1.3 $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

1.5 $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$

1.7 $\frac{1}{8} + \frac{4}{8} + \frac{2}{8} = \frac{7}{8}$

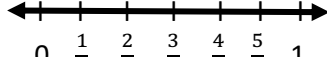
1.2 $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

1.4 $\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$

1.6 $\frac{1}{7} + \frac{1}{7} = \frac{2}{7}$ (6)

1.8 $\frac{1}{7} + \frac{3}{7} + \frac{1}{7} = \frac{5}{7}$ (2)

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

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

3.1  (2)

3.2  (2)

Afdeling E – Ekwivalente breuke:

1.1 $\frac{1}{2} = \frac{2}{4}$

1.3 $\frac{4}{8} = \frac{1}{2}$

1.5 $\frac{8}{8} = 1$

1.2 $\frac{1}{2} = \frac{3}{6}$

1.4 $\frac{3}{4} = \frac{6}{8}$

1.6 $1 = \frac{7}{7}$ (6)

2.1 $\frac{1}{8} + \frac{7}{8} = 1$

2.2 $\frac{1}{4} + \frac{3}{4} = 1$

2.3 $1 = \frac{3}{5} + \frac{2}{5}$

2.4 $1 = \frac{2}{6} + \frac{4}{6}$ (4)

3.1 Oop getalsin: $\frac{1}{2}$ van 16 = □ (1)

Bewerkings: $16 \div 2 = 8$ en $8 \times 1 = 8$ (2)

Antwoord: Elke maatjie kry 8 lekkers. (1)

3.2 Oop getalsin: $\frac{1}{8}$ van 16 = □ (1)

Bewerkings: $16 \div 8 = 2$ en $2 \times 1 = 2$ (2)

Antwoord: Elke maatjie kry 2 lekkers. (1)

3.3 Oop getalsin: $\frac{1}{4}$ van 16 = □ (1)

Bewerkings: $16 \div 4 = 4$ en $4 \times 1 = 4$ (2)

Antwoord: Elke maatjie kry 4 lekkers. (1)

Afdeling F – Breuke en meting:

1.1 Oop getalsin: $\frac{1}{6}$ van 120 g = □ (1)

Bewerkings: $120 \div 6 = 20$ en $20 \times 1 = 20$ (2)

Antwoord: Elke kind kry 20 g lekkers. (1)

1.2 Oop getalsin: $\frac{3}{4}$ van 48 kg = □ (1)

Bewerkings: $48 \div 4 = 12$ en $12 \times 3 = 36$ (2)

Antwoord: Ek weeg 36 kg. (1)

1.3 Oop getalsin: $3\frac{1}{3}$ liter $-$ $\frac{2}{3}$ liter = \square (1)

Bewerkings: $3\frac{1}{3} - \frac{2}{3} = \frac{10}{3} - \frac{2}{3} = \frac{8}{3} = 2\frac{2}{3}$ (2)

Antwoord: $2\frac{2}{3}$ liter melk bly oor. (1)