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Syferkunde
Wiskunde
Leierskap

Hersiening Inoefening Vaslegging
Graad 6 – Kwartaal 2 – Werkopdrag 2 – 2024
MEMORANDUM

AFDELING A – Gewone breuke

1.1 $\frac{6}{8}$ en $\frac{8}{10}$

1.2 $\frac{2}{8}$ en $\frac{2}{10}$

(4)

2.1 $\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$

2.2 $\frac{1}{4} \times \frac{2}{2} = \frac{2}{8}$

2.3 $\frac{6}{8} \div \frac{2}{2} = \frac{3}{4}$

2.4 $\frac{6}{10} \div \frac{2}{2} = \frac{3}{5}$

2.5 $\frac{1}{3} = \frac{4}{12}$

2.6 $\frac{1}{4} = \frac{4}{16}$

$$2.7 \quad \frac{6}{8} = \frac{3}{4}$$

$$2.8 \quad \frac{6}{10} = \frac{24}{40}$$

$$2.9 \quad \frac{25}{75} = \frac{5}{15} = \frac{1}{3}$$

$$2.10 \quad \frac{2}{5} = \frac{10}{25} = \frac{40}{100} \quad (10)$$

$$3.1 \quad \frac{12}{18} \div \frac{3}{3} = \frac{4}{6} \div \frac{2}{2} = \frac{2}{3}$$

$$3.2 \quad \frac{8}{16} \div \frac{2}{2} = \frac{4}{8} \div \frac{2}{2} = \frac{2}{4} \div \frac{2}{2} = \frac{1}{2}$$

$$3.3 \quad \frac{36}{63} = \frac{4}{7}$$

$$3.4 \quad \frac{84}{108} = \frac{7}{9}$$

$$3.5 \quad \frac{32}{48} = \frac{2}{3}$$

$$3.6 \quad \frac{30}{65} = \frac{6}{13} \quad (6)$$

$$4.1 \quad \frac{11}{12}; \frac{5}{6}; \frac{6}{8}; \frac{2}{3}; \frac{13}{24}; \frac{1}{2}$$

$$4.2 \quad \frac{4}{7}; \frac{13}{21}; \frac{2}{3}; \frac{10}{14} \quad (4)$$

$$5.1 \quad \frac{4}{8} + \frac{3}{8} = \frac{7}{8}$$

$$5.2 \quad \frac{9}{10} - \frac{6}{10} = \frac{3}{10} \quad (2)$$

$$5.3 \quad 1\frac{1}{3} + 3\frac{1}{3} - 2\frac{1}{3} = 2\frac{1}{3}$$

$$5.4 \quad 7\frac{3}{5} + (3\frac{4}{5} - 2\frac{1}{5}) = 9\frac{1}{5}$$

$$5.5 \quad 6\frac{3}{5} + 1\frac{4}{5} - 1\frac{2}{5} = 7$$

$$5.6 \quad 8\frac{3}{4} + 2\frac{1}{4} - 7\frac{1}{4} = 3\frac{3}{4} \quad (8)$$

$$6.1 \quad \frac{2}{5} \text{ van } 80 = 32$$

$$6.2 \quad \frac{5}{8} \text{ van } 104 \text{ m} = 65 \text{ m} \quad (6)$$

$$6.3 \quad \frac{3}{10} \text{ van } R900 = R270$$

$$6.4 \quad \frac{25}{100} \text{ van } 1 \text{ kg} = 250 \text{ gram} \quad (6)$$

2.

$$6.5 \quad \frac{7}{12} \text{ van } 2 \text{ uur} = 70 \text{ minute} \quad (3)$$

7.1 Oop getalsin: $\frac{3}{4}$ van 24 OF $\frac{1}{4}$ van 24
 Bewerkings: $24 \div 4 = 6$ $24 \div 4 = 6$
 $6 \times 3 = 18$ $6 \times 1 = 6$
 $24 - 18 = 6$
 Antwoord: Hy het 6 lekkers oor (4)

7.2 Oop getalsin: $2\frac{5}{6} \text{ kg} - 1\frac{1}{6} \text{ kg} = \square$
 Bewerkings: $2\frac{5}{6} \text{ kg} - 1\frac{1}{6} \text{ kg} = 1\frac{4}{6}$
 $1\frac{4}{6} = 1\frac{2}{3}$
 Antwoord: My ma moet nog $1\frac{2}{3}$ kg meel koop (3)

7.3 Oop getalsin: $1\frac{3}{7} \text{ kg} + 1\frac{5}{7} \text{ kg} = \square$
 Bewerkings: $1\frac{3}{7} \text{ kg} + 1\frac{5}{7} \text{ kg} = 2\frac{8}{7} \text{ kg}$
 $2\frac{8}{7} \text{ kg} = 3\frac{1}{7} \text{ kg}$
 Antwoord: Totale massa is $3\frac{1}{7}$ kg (3)

$$8.1 \quad \frac{1}{3} \text{ van } 42 \text{ lekkers} = 42 \div 3 = 14 \text{ en } 14 \times 1 = 14$$

BONUS VRAAG!!!

$$\frac{1}{2} \text{ van } 14 \text{ lekkers} = 14 \div 2 = 7 \text{ en } 7 \times 1 = 7 \text{ lekkers} \quad (6)$$

AFDELING B – Desimale breuke

1.1

	HM	TM	M	HD	TD	D	H	T	E	t	h	d
1.1				3	2	1	7	0	9	4		
1.2		2	5	6	1	9	0	5	4	9	5	
1.3	2	1	5	7	3	9	1	8	6	6	7	8

(3)

2.1 $100 + 60 + 2 + 0,7$ (1)

2.2 $700 + 50 + 4 + 0,9 + 0,08$ (1)

2.3 $6000 + 700 + 20 + 9 + 0,2 + 0,08 + 0,005$ (1)

3.1 0,4; 0,8; 0,12; 0,16; **0,20; 0,24 ...** (2)

3.2 3,7; 3,4; 3,1; 2,8; **2,5; 2,2 ...** (2)

3.3 1,5; 3,0; 6,0; 12,0; **24,0; 48,0 ...** (2)

3.4 5,51; 5,49; 5,47; 5,45; **5,43; 5,41 ...** (2)

3.5 24,25; 24,50; 24,75; 25,0; **25,25; 25,50 ...** (2)

4.1 $0,5 = \frac{5}{10} = \frac{1}{2}$

4.2 $0,03 = \frac{3}{100}$

4.3 $0,75 = \frac{75}{100} = \frac{3}{4}$

4.4 $0,2 = \frac{2}{10} = \frac{1}{5}$

4.5 $0,93 = \frac{93}{100}$

(1)

3.

5.1 $\frac{7}{10} = 0,7$

5.2 $\frac{67}{100} = 0,67$

5.3 $\frac{10}{25} = 0,8$

5.4 $\frac{3}{5} = 0,6$

(4)

6.1 18

6.2 5

6.3 63

6.4 89

(4)

7.1 11,01; 11,20; 11,21; 11,36; 11,90; 12,01

(1)

7.2 5,21 km; 5,12 km; 5,03 km; 4,98 km; 4,87 km

(1)

8.1 73,3

8.2 5,16

8.3 26,89

8.4 56,94

(8)

8.1 Oop getalsin: $R248 - (R95,75 + R53,70) = \square$

Bewerkings: $95,75 + 53,70 = 149,45$

$248,00 - 149,45 = 98,55$

Antwoord: Pieter het R98,55 oor

(4)

8.2 Oop getalsin: $20 \text{ l} - (10,5 \text{ l} + 2,54 \text{ l} + 3,7 \text{ l}) = \square$

Bewerkings: $10,5 + 2,54 + 3,7 = 16,74$

$20,00 - 16,74 = 3,26$

Antwoord: 3,26 liter appelsap kan bygevoeg word

(4)

8.3 Oop getalsin: $(9,5 \text{ km} + 12,65 \text{ km} + 8,36 \text{ km}) \times 3 = \square$

Bewerkings: $9,5 + 12,65 + 8,36 = 30,51$
 $30,51 \times 3 = 91,53$
 Antwoord: Hy draf 91,53 km

(4)

AFDELING C – Persentasie

1.

Klas	Gr. 1	Gr. 2	Gr. 3	Gr. 4	Gr. 5	Gr. 6	Gr. 7
Dogters	47%	55%	53%	37%	27%	62%	49%
Seuns	53%	45%	47%	63%	73%	38%	51%
Totaal	100%	100%	100%	100%	100%	100%	100%

(7)

2.

Gewone breuke	Desimale	Persentasie
$\frac{1}{2}$	0,5	50%
$\frac{6}{10}$	0,6	60%
$\frac{7}{10}$	0,7	70%
$\frac{14}{100}$	0,14	14%
$\frac{95}{100}$	0,95	95%
$\frac{56}{100}$	0,56	56%
$\frac{5}{5}$	1,0	100%
$\frac{7}{100}$	0,07	7%
$\frac{85}{100}$	0,85	85%

(18)

4.

3.1 $\frac{10}{100}$ van 70 = $\frac{1}{10}$ van 70 = $70 \div 10 = 7$ en $7 \times 1 = 7$

(3)

3.2 $\frac{25}{100}$ van 96 = $\frac{1}{4}$ van 96 = $96 \div 4 = 24$ en $24 \times 1 = 24$

(3)

3.3 $\frac{75}{100}$ van R1 000 = $1\ 000 \div 100 = 10$ en $10 \times 75 = R750$

(3)

3.4 $\frac{20}{100}$ van 100ml = $100 \div 100 = 1$ en $1 \times 20 = 20$ ml

(3)

4.1 Oop getalsin: R160 – 10% = □
 Bewerkings: $\frac{10}{100}$ van R160 = $\frac{1}{10}$ van R160 = $160 \div 10 = 16$ en $16 \times 1 = 16$
 Antwoord: R16 afslag gekry

(4)

4.2 Oop getalsin: R160 – R16 = □
 Bewerkings: $160 - 16 = 144$
 Antwoord: R144 vir die broekie betaal

(3)

4.3 Daar was 10% van ons klas van 40 leerders gedurende die week afwesig.
 Hoeveel kinders was gedurende die week afwesig?

Oop getalsin: $40 - 10\% = \square$
 Bewerkings: $\frac{10}{100}$ van 40 = $\frac{1}{10}$ van 40 = $40 \div 10 = 4$ en $4 \times 1 = 4$

Antwoord: 4 leeders was afwesig

(4)