

TOETS 8

Hierdie vraestel bestaan uit:

		<u>Punte</u>
<u>AFDELING A: GETALLE</u>		
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<u>AFDELING B: EKWIVALENTE BREUKE</u>		
Vraag 1	Kleur ekwivalente breuke in.	4
Vraag 2	Bepaal die ekwivalente breuk wat ingekleur is.	4
Vraag 3	Vul in "waar" of "vals"	10
<u>AFDELING C: BEWERKINGS MET BREUKE</u>		
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Totaal:		50

AFDELING A:**HOOFREKENE****Vraag 1****(14)**

(a) $(72 \div 6) \times 5 \div 4 =$ 15

(b) $48 \div 4 + 6 \times 2 =$ 24

(c) $800 - 5 \times 5 \times 5 =$ 675

(d) $120 \div 4 \times 2 + 45 =$ 105

(e) $81 \div 9 \times 12 + 120 =$ 228

(f) $2 \times (90 \div 5) + 20 =$ 56

(g) $150 + 75 \div 3 + 30 =$ 205

(h) $48 \div 8 \times 25 + 50 =$ 200

(i) $700 - 70 \times 5 =$ 350

(j) $(12 \times 12) - (11 \times 4) =$ 100

(k) $75 \times 2 \div 3 + 15 =$ 65

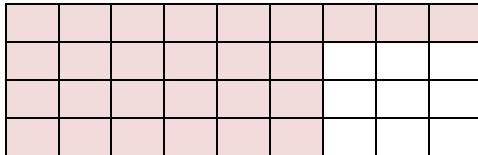
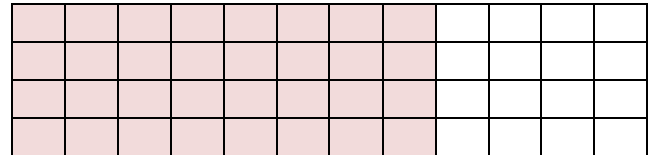
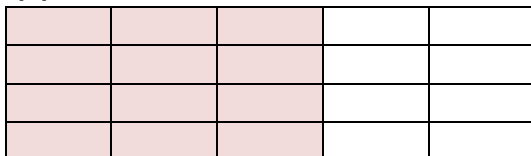
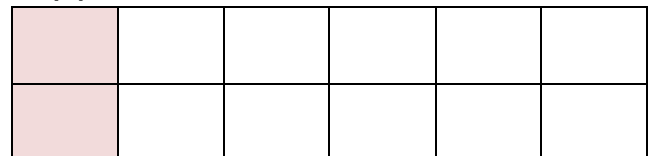
(l) $1\ 000 \div (25 \times 8) + 55 =$ 60

(m) $15 \times 6 \div 6 + 45 =$ 60

(n) $(45 \times 2) + (25 \times 2) =$ 140

AFDELING B:**EKWIVALENTE BREUKE****Vraag 1****(4)**

Kleur die breuke in soos gevra.

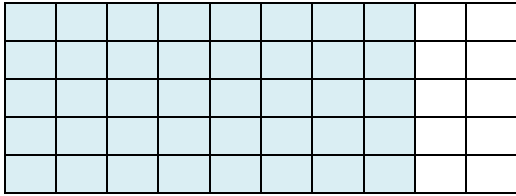
(a) $\frac{3}{4}$ **(b)** $\frac{4}{6}$ **(c)** $\frac{3}{5}$ **(d)** $\frac{3}{18}$

Vraag 2

(4)

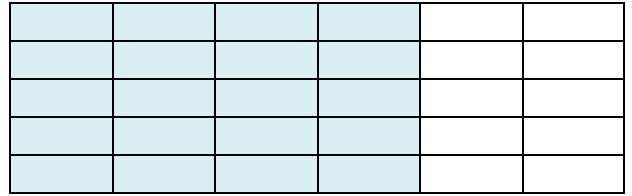
Watter breukdeel is ingekleur?

(a)



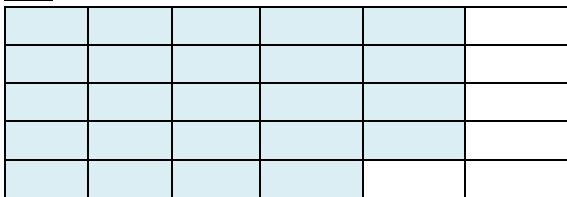
Hoeveel vyfdes is ingekleur? 4

(b)



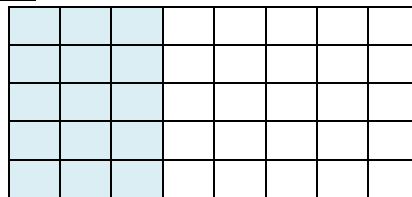
Hoeveel sesdes is ingekleur? 4

(c)



Hoeveel vyfdes is ingekleur? 4

(d)



Hoeveel agtstes is ingekleur? 3

Vraag 3

(10)

Vul in : "Waar" of "Onwaar". Teken die breuke om jou te help.

(a) $\frac{4}{6}$ is dieselfde as $\frac{8}{12}$

waar

(b) $\frac{5}{6}$ is goter as $\frac{1}{2}$

waar

(c) $\frac{1}{6}$ is kleiner as $\frac{1}{8}$

onwaar

(d) $\frac{3}{4}$ is groter as $\frac{12}{16}$

onwaar

(e) $\frac{6}{6}$ is dieselfde as $\frac{2}{2}$

waar

(f) $1\frac{1}{4}$ is dieselfde as $\frac{6}{4}$

onwaar

(g) $\frac{36}{6}$ is dieselfde as 6 heles

waar

(h) $\frac{4}{5}$ is kleiner as $\frac{28}{30}$

waar

(i) $\frac{7}{8}$ is groter as $\frac{6}{2}$

onwaar

(j) $\frac{3}{4}$ is dieselfde as $\frac{20}{32}$

onwaar

Vraag 1

(16)

Skryf die regte antwoorde in.

(2 punte elk)

$$\begin{aligned}
 \text{(a)} \quad & 1\frac{1}{4} + \frac{1}{4} + 2\frac{1}{2} = \\
 = & \underline{1 + \frac{1}{4} + \frac{1}{4} + 2\frac{2}{4}} \\
 = & \underline{3 + \frac{4}{4}} \\
 = & \underline{4} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(c)} \quad & 1\frac{4}{6} + 1\frac{1}{3} + 2\frac{2}{3} = \\
 = & \underline{4 + \frac{4}{6} + \frac{2}{6} + \frac{4}{6}} \\
 = & \underline{4 + \frac{10}{6}} \\
 = & \underline{5\frac{4}{6}} \\
 = & \underline{5\frac{2}{3}} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(e)} \quad & 4\frac{3}{6} + \frac{1}{2} + 2\frac{1}{2} = \\
 = & \underline{6 + \frac{3}{6} + \frac{3}{6} + \frac{3}{6}} \\
 = & \underline{6 + \frac{9}{6}} \\
 = & \underline{7\frac{3}{6}} \\
 = & \underline{7\frac{1}{2}} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(b)} \quad & 1\frac{1}{5} + \frac{1}{10} + 2\frac{1}{10} = \\
 = & \underline{3 + \frac{2}{10} + \frac{1}{10} + \frac{1}{10}} \\
 = & \underline{3 + \frac{4}{10}} \\
 = & \underline{3\frac{2}{5}} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(d)} \quad & 1\frac{1}{4} + 2\frac{3}{8} + 2\frac{1}{2} = \\
 = & \underline{5 + \frac{2}{8} + \frac{3}{8} + \frac{4}{8}} \\
 = & \underline{5 + \frac{9}{8}} \\
 = & \underline{6\frac{1}{8}} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(f)} \quad & 2\frac{1}{6} + 1\frac{1}{12} + 2\frac{1}{6} = \\
 = & \underline{5 + \frac{2}{12} + \frac{1}{12} + \frac{2}{12}} \\
 = & \underline{5 + \frac{5}{12}} \\
 = & \underline{5\frac{5}{12}} \\
 = & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 \text{(g)} \quad & 1\frac{3}{5} + \frac{1}{10} + 1\frac{1}{2} = \\
 = & \frac{2 + \frac{6}{10} + \frac{1}{10} + \frac{5}{10}}{} \\
 = & \frac{2 + \frac{12}{10}}{} \\
 = & \frac{3 + \frac{2}{10}}{} \\
 = & 3\frac{1}{5}
 \end{aligned}$$

$$\begin{aligned}
 \text{(h)} \quad & 2\frac{1}{4} + 1\frac{1}{12} + 2\frac{2}{3} = \\
 = & \frac{5 + \frac{3}{12} + \frac{1}{12} + \frac{8}{12}}{} \\
 = & \frac{5 + \frac{12}{12}}{} \\
 = & 6
 \end{aligned}$$

AFDELING C:

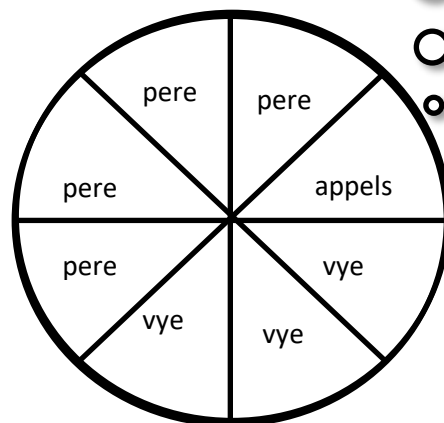
WOORDSOMME



Vraag 1 Kyk na die sirkeldiagram en beantwoord die vrae.

Daar is 24 kinders in 'n klas. Die sirkel stel die kinders voor wat van verskillende vrugte hou.

(a) Watter breukdeel word voorgestel deur :



Pere: $\frac{4}{8}$

Vye: $\frac{3}{8}$

Appels: $\frac{1}{8}$

(b) Hoeveel kinders hou van die volgende vrugte?

Pere	Appels	Vye
12	3	9