

Gr 4 - 7 Bemeester Vermenigvuldiging | Deel 3

Slegs Gr 4 – 7 leerders moet van hier voortgaan.

Vraag 1 | $\times 10$

1. Vul die eerste tien veelvoude van 10 in.

	1	2	3	4	5	6	7	8	9	10
$\times 10$	10	20				60				

2. Bestudeer: a) 1 honderd = 10 tiene b) $10 \times 10 = 100$

3. Vul die veelvoude van 10 tussen 100 en 200 in. *Tel in tiene.*

	10	11	12	13	14	15	16	17	18	19	20
$\times 10$	100	110	120								200

4. Om 'n getal met 10 te vermenigvuldig maak dit 10 keer groter.

$$\begin{array}{cc} \text{E} & \text{TE} \\ \text{a) } 9 \times 10 = 90 & \\ & 9 \text{ tiene} \end{array}$$

$$\begin{array}{cc} \text{TE} & \text{HTE} \\ \text{b) } 12 \times 10 = \underline{120} & \\ & 12 \text{ tiene} \end{array}$$

12 tiene
= 10 tiene + 2 tiene
= 1 honderd + 2 tiene

5. Voltooi:

a) $10 \times 10 = 100$ b) $12 \times 10 = \dots\dots$ c) $14 \times 10 = \dots\dots$ d) $19 \times 10 = \dots\dots$
 $11 \times 10 = \dots\dots$ $13 \times 10 = \dots\dots$ $18 \times 10 = \dots\dots$ $20 \times 10 = \dots\dots$

6. Voltooi: a) 2 honderd = $\dots\dots$ tiene b) $10 \times 20 = \dots\dots\dots$ c) $20 \times 10 = \dots\dots\dots$



For individual use only. Strictly no distribution, sharing or re-selling.

Report Misuse: admin@playmaths.co.za



7. Om 'n getal met 10 te vermenigvuldig maak dit 10 keer groter.

$$\begin{array}{cc} \text{TE} & \text{HTE} \\ \text{a) } 40 \times 10 = \underline{400} & \\ & 40 \text{ tiene} \end{array}$$

$$\begin{array}{cc} \text{TE} & \text{HTE} \\ \text{b) } 43 \times 10 = \underline{430} & \\ & 43 \text{ tiene} \end{array}$$

43 tiene
= 40 tiene + 3 tiene
= 4 honderde + 3 tiene

8. Voltooi:

a) $30 \times 10 = 300$ b) $50 \times 10 = \dots\dots$ c) $60 \times 10 = \dots\dots$ d) $90 \times 10 = \dots\dots$
 $32 \times 10 = 320$ $54 \times 10 = \dots\dots$ $68 \times 10 = \dots\dots$ $99 \times 10 = \dots\dots$

Vraag 2 | 20×10 en 20×30 ens.

1. Skryf in verkorte vorm: a) $2 \times 100 = 200$ b) $5 \times 100 = \dots\dots\dots$ c) $8 \times 100 = \dots\dots\dots$

2. Voltooi: Onthou $10 \times 10 = 100$. **[Sien bladsy 7]**

$$\begin{aligned} \text{a) } 20 \times 10 \\ &= 2 \times 10 \times 10 \\ &= 2 \times 100 \\ &= 200 \end{aligned}$$

$$\begin{aligned} \text{b) } 30 \times 10 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 40 \times 10 &= \dots\dots\dots \\ \text{d) } 70 \times 10 &= \dots\dots\dots \\ \text{e) } 90 \times 10 &= \dots\dots\dots \end{aligned}$$

3. Voltooi:

$$\begin{aligned} \text{a) } 20 \times 20 \\ &= 2 \times 10 \times 2 \times 10 \\ &= 4 \times 100 \\ &= 400 \end{aligned}$$

$$\begin{aligned} \text{b) } 30 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 40 \times 20 &= \dots\dots\dots \\ \text{d) } 20 \times 30 &= \dots\dots\dots \\ \text{e) } 30 \times 30 &= \dots\dots\dots \end{aligned}$$



For individual use only. Strictly no distribution, sharing or re-selling.
Report Misuse: admin@playmaths.co.za



4. Voltooi:

a) $12 \times 100 = 1\,200$ b) $15 \times 100 = \dots\dots\dots$ c) $24 \times 100 = \dots\dots\dots$ d) $35 \times 100 = \dots\dots\dots$

5. Voltooi:

$$\begin{aligned} \text{a) } 30 \times 40 \\ &= 3 \times 10 \times 4 \times 10 \\ &= 12 \times 100 \\ &= 1\,200 \end{aligned}$$

$$\begin{aligned} \text{b) } 40 \times 60 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 50 \times 30 &= \dots\dots\dots \\ \text{d) } 80 \times 40 &= \dots\dots\dots \\ \text{e) } 70 \times 70 &= \dots\dots\dots \end{aligned}$$

6. Voltooi:

a) $20 \times 100 = 2\,000$ b) $40 \times 100 = \dots\dots\dots$ c) $70 \times 100 = \dots\dots\dots$ d) $90 \times 100 = \dots\dots\dots$

7. Voltooi:

$$\begin{aligned} \text{a) } 40 \times 50 \\ &= 4 \times 10 \times 5 \times 10 \\ &= 20 \times 100 \\ &= 2\,000 \end{aligned}$$

$$\begin{aligned} \text{b) } 50 \times 60 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 50 \times 20 &= \dots\dots\dots \\ \text{d) } 60 \times 50 &= \dots\dots\dots \\ \text{e) } 50 \times 80 &= \dots\dots\dots \end{aligned}$$

Vraag 3 | 12×30 en 15×20 ens.

1. Voltooi:

$$\begin{aligned} \text{a) } 12 \times 30 \\ &= 12 \times 3 \times 10 \\ &= 36 \times 10 \\ &= 360 \end{aligned}$$

$$\begin{aligned} \text{b) } 24 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 11 \times 40 &= \dots\dots\dots \\ \text{d) } 13 \times 20 &= \dots\dots\dots \\ \text{e) } 34 \times 20 &= \dots\dots\dots \end{aligned}$$

2. Voltooi:

$$\begin{aligned} \text{a) } 15 \times 20 \\ &= 15 \times 2 \times 10 \\ &= 30 \times 10 \\ &= 300 \end{aligned}$$

$$\begin{aligned} \text{b) } 25 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 45 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

3. Voltooi:

$$\begin{aligned} \text{a) } 15 \times 30 \\ &= 15 \times 3 \times 10 \\ &= 45 \times 10 \\ &= 450 \end{aligned}$$

$$\begin{aligned} \text{b) } 18 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 19 \times 20 &= \dots\dots\dots \\ \text{d) } 14 \times 30 &= \dots\dots\dots \\ \text{e) } 25 \times 30 &= \dots\dots\dots \end{aligned}$$



For individual use only. Strictly no distribution, sharing or re-selling.
Report Misuse: admin@playmaths.co.za



4. Voltooi:

$$\begin{aligned} \text{a) } 53 \times 20 \\ &= 53 \times 2 \times 10 \\ &= 106 \times 10 \\ &= 1\ 060 \end{aligned}$$

$$\begin{aligned} \text{b) } 64 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 54 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{d) } 71 \times 20 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

5. Voltooi:

$$\begin{aligned} \text{a) } 25 \times 50 \\ &= 25 \times 5 \times 10 \\ &= 125 \times 10 \\ &= 1\ 250 \end{aligned}$$

$$\begin{aligned} \text{b) } 25 \times 40 \\ &= \dots\dots\dots \\ &= \dots\dots\dots \\ &= \dots\dots\dots \end{aligned}$$

$$\begin{aligned} \text{c) } 65 \times 20 &= \dots\dots\dots \\ \text{d) } 35 \times 30 &= \dots\dots\dots \\ \text{e) } 32 \times 50 &= \dots\dots\dots \end{aligned}$$

Vraag 4 | 2-syfergetalle × 2-syfergetalle

[“Opbreek” Metode]

1. Voltooi:

$$\begin{array}{r}
 \text{a) } 23 = 20 + 3 \\
 \times 32 = 30 + 2 \\
 \hline
 6 \quad [2 \times 3] \\
 \hline
 40 \quad [2 \times 20] \\
 \hline
 190 \quad [30 \times 3] \\
 \hline
 + 600 \quad [30 \times 20] \\
 \hline
 736 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{b) } 24 \\
 \times 22 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{c) } 35 \\
 \times 42 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{d) } 32 \\
 \times 53 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{e) } 43 = 40 + 3 \\
 \times 56 = 50 + 6 \\
 \hline
 18 \quad [6 \times 3] \\
 \hline
 240 \quad [6 \times 40] \\
 \hline
 150 \quad [50 \times 3] \\
 \hline
 + 2000 \quad [50 \times 40] \\
 \hline
 2408 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{f) } 34 \\
 \times 72 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{g) } 34 \\
 \times 83 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{h) } 75 \\
 \times 86 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$



For individual use only. Strictly no distribution, sharing or re-selling.
Report Misuse: admin@playmaths.co.za



$$\begin{array}{r}
 \text{i) } 67 = 60 + 7 \\
 \times 48 = 40 + 8 \\
 \hline
 56 \quad [8 \times 7] \\
 \hline
 480 \quad [8 \times 60] \\
 \hline
 1280 \quad [40 \times 7] \\
 \hline
 + 2400 \quad [40 \times 60] \\
 \hline
 3216 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{j) } 64 \\
 \times 48 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{k) } 69 \\
 \times 86 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{l) } 89 \\
 \times 97 \\
 \hline
 \\
 \hline
 \\
 \hline
 \\
 \hline
 \end{array}$$

Vraag 5 | 2-syfergetalle × 2-syfergetalle

["Kort" Metode]

1. Bestudeer: 23×32

Deel 1: 23×2

$$\begin{array}{r} 23 \\ \times 32 \\ \hline \end{array}$$

46

Stap 2:
 $2 \times 2T = 4T$

Stap 1:
 $2 \times 3E = 6E$

Deel 2: $23 \times 30 = 23 \times 3 \times 10$

$$\begin{array}{r} 23 \\ \times 32 \\ \hline \end{array}$$

46

$$\begin{array}{r} + 690 \\ \hline 736 \end{array}$$

Stap 2:
Ons het reeds met 10 gemaal.
 $3 \times 23 = 69$

Stap 1:
 $\times 10$

2. Voltooi. Gebruik die "kort" metode.

a) 23

× 22

$$\begin{array}{r} 146 \quad [2 \times 23] \\ + 460 \quad [20 \times 23] \\ \hline 506 \end{array}$$

b) 32

× 22

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

c) 24

× 22

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

d) 32

× 33

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

3. Bestudeer: 43×56

Deel 1: 43×6

$$\begin{array}{r} 143 \\ \times 56 \\ \hline \end{array}$$

258

Stap 2:
 $6 \times 4T = 24T$
en
 $24T + 1T = 25T$

Stap 1:
 $6 \times 3E = 18E = 1T + 8E$

Deel 2: $43 \times 50 = 43 \times 5 \times 10$

$$\begin{array}{r} 143 \\ \times 56 \\ \hline \end{array}$$

1258

$$\begin{array}{r} + 2150 \\ \hline 2408 \end{array}$$

Stap 2:
Ons het reeds met 10 gemaal.
 $5 \times 43 = 215$

Stap 1:
 $\times 10$

4. Voltooi. Gebruik die "kort" metode.

a) 52

× 36

$$\begin{array}{r} 312 \quad [6 \times 52] \\ + 1560 \quad [30 \times 52] \\ \hline 1872 \end{array}$$

b) 48

× 35

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

c) 56

× 37

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

d) 43

× 68

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

e) 54

× 87

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

Vraag 6 | Gemenge Vrae en Woordsomme

1. Voltooi: Doen jou bewerkings op 'n aparte vel papier.

a) $13 \times 10 = \dots\dots\dots$ b) $25 \times 20 = \dots\dots\dots$ c) $12 \times 12 = \dots\dots\dots$

d) $15 \times 30 = \dots\dots\dots$ e) $13 \times 15 = \dots\dots\dots$ f) $50 \times 40 = \dots\dots\dots$

g) $68 \times 30 = \dots\dots\dots$ h) $34 \times 23 = \dots\dots\dots$ i) $60 \times 89 = \dots\dots\dots$

j) $56 \times 47 = \dots\dots\dots$ k) $87 \times 76 = \dots\dots\dots$ l) $96 \times 87 = \dots\dots\dots$

2. Daar is 18 boeke in een boks.

Hoeveel boeke sal daar in 20 sulke bokse wees?

3. Jone vra die terreinpersoneel om 23 rye van 15 stoele elk in die skoolsaal uit te pak. Hoeveel stoele moet in totaal uitgepak word?

.....



For individual use only. Strictly no distribution, sharing or re-selling.
Report Misuse: admin@playmaths.co.za



4. 'n Sak hoenderkos kos R48. 'n Boer koop 75 sakke.

Hoeveel spandeer hy op die hoenderkos?

5. Adam gebruik 25 liter petrol elke maand.

Hoeveel petrol gebruik hy in 1 jaar?

6. Die afstand van Junior se huis skooltoe is 18km. Hy ry elke skooldag skooltoe en terug op sy fiets. Watter afstand ry hy in 4 weke?

.....

.....

Vraag 7 | $\times 100$ en $\times 120$ ens.

[Hoofrekene]



1. Bestudeer: Ons tel in 100s:

100 , 200 , 300 , 400 , 500 , 600...

Hierdie getalle is veelvoude van 100.

Die derde veelvoud van 100 is 300:

- $100 + 100 + 100 = 300$
- 3 honderde = 300
- $3 \times 100 = 300$

2. Vul die veelvoude van 100 in. *Tel in 100s.*

	1	2	3	4	5	6	7	8	9	10	11	12
$\times 100$	100	200								1 000	1 100	

3. Voltooi die tabel.

	Herhaalde optelling	In woorde	\times vorm	Antwoord
a)	$100 + 100 + 100$	3 honderde	3×100	300
b)	$100 + 100$			
c)	$100 + 100 + 100 + 100$			

4. Om 'n getal met 100 te vermenigvuldig maak dit 100 keer groter. [$100 = 10 \times 10$]

Ons tel nie "twee nulle" by. $4 + 0 + 0 = 4$ maar $4 \times 100 = 400$

5. Voltooi:

- a) $1 \times 100 = 100$ b) $5 \times 100 = \dots\dots\dots$ c) $100 \times 4 = \dots\dots\dots$ d) $2 \times 10 \times 10 = \dots\dots\dots$
 $3 \times 100 = 300$ $7 \times 100 = \dots\dots\dots$ $100 \times 8 = \dots\dots\dots$ $10 \times 10 \times 9 = \dots\dots\dots$



For individual use only. Strictly no distribution, sharing or re-selling.
 Report Misuse: admin@playmaths.co.za



6. Voltooi:

- a) $9 \times 100 = 900$ b) $12 \times 100 = \dots\dots\dots$ c) $14 \times 10 \times 10 = \dots\dots\dots$
 $10 \times 100 = 1\,000$ $15 \times 100 = \dots\dots\dots$ $10 \times 10 \times 19 = \dots\dots\dots$

7. Voltooi:

- | | | | |
|---|--|--|---|
| a) 3×120
$= 3 \times 12 \times 10$
$= 36 \times 10$
$= 360$ | b) 2×140
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | c) 3×150
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | d) $2 \times 160 = \dots\dots\dots$
e) $150 \times 2 = \dots\dots\dots$
f) $4 \times 120 = \dots\dots\dots$ |
|---|--|--|---|

Vraag 8 | $\times 200$ tot $\times 290$

1. Vul die eerste tien veelvoude van 200 in. *Tel in 200s.*

	1	2	3	4	5	6	7	8	9	10
$\times 200$	200	400								2 000

2. Voltooi die tabel.

	Herhaalde optelling	\times vorm	Antwoord
a)	$200 + 200$	2×200	400
b)	$200 + 200 + 200$		
c)	$200 + 200 + 200 + 200$		



3. Voltooi:

- a) $3 \times 200 = 600$ b) $2 \times 200 = \dots\dots$ c) $200 \times 4 = \dots\dots$ d) $200 \times 1 = \dots\dots$
 $200 \times 3 = 600$ $200 \times 2 = \dots\dots$ $20 \times 40 = \dots\dots$ $200 \times 10 = \dots\dots$

4. Voltooi:

a) 6×200
 $= 6 \times 2 \times 100$
 $= 12 \times 100$
 $= 1\ 200$

b) 8×200
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) $5 \times 200 = \dots\dots\dots$
d) $200 \times 7 = \dots\dots\dots$
e) $9 \times 200 = \dots\dots\dots$

For individual use only. Strictly no distribution, sharing or re-selling. Report Misuse: admin@playmaths.co.za

5. Voltooi:

a) 3×210
 $= 3 \times 21 \times 10$
 $= 63 \times 10$
 $= 630$

b) 2×240
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) 3×230
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

d) $2 \times 230 = \dots\dots\dots$
e) $210 \times 4 = \dots\dots\dots$
f) $3 \times 220 = \dots\dots\dots$

6. Voltooi:

a) 2×260
 $= 2 \times 26 \times 10$
 $= 52 \times 10$
 $= 520$

b) 2×250
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) 4×230
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

d) $3 \times 240 = \dots\dots\dots$
e) $280 \times 2 = \dots\dots\dots$
f) $4 \times 240 = \dots\dots\dots$

Vraag 9 | $\times 300$ tot $\times 900$

1. Vul die eerste tien veelvoude van 300 in. *Tel in 300s.*

	1	2	3	4	5	6	7	8	9	10
$\times 300$	300	600								3 000

2. Voltooi die tabel.

	Herhaalde optelling	\times vorm	Antwoord
a)	$300 + 300$	2×300	600
b)	$300 + 300 + 300$		
c)	$300 + 300 + 300 + 300$		



3. Voltooi:

a) 4×300
 $= 4 \times 3 \times 100$
 $= 12 \times 100$
 $= 1\ 200$

b) 7×300
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) $2 \times 300 = \dots\dots\dots$
d) $300 \times 5 = \dots\dots\dots$
e) $9 \times 300 = \dots\dots\dots$

For individual use only. Strictly no distribution, sharing or re-selling. Report Misuse: admin@playmaths.co.za

4. Voltooi:

a) 6×400
 $= 6 \times 4 \times 100$
 $= 24 \times 100$
 $= 2\ 400$

b) 8×400
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) $2 \times 400 = \dots\dots\dots$
d) $300 \times 4 = \dots\dots\dots$
e) $9 \times 400 = \dots\dots\dots$

5. Voltooi:

a) 4×500
 $= 4 \times 5 \times 100$
 $= 20 \times 100$
 $= 2\ 000$

b) 5×600
 $= \dots\dots\dots$
 $= \dots\dots\dots$
 $= \dots\dots\dots$

c) $2 \times 500 = \dots\dots\dots$
d) $400 \times 5 = \dots\dots\dots$
e) $8 \times 500 = \dots\dots\dots$

6. Voltooi:

a) $3 \times 600 = 1\ 800$ b) $8 \times 600 = \dots\dots\dots$ c) $200 \times 4 = \dots\dots\dots$ d) $800 \times 7 = \dots\dots\dots$
 $6 \times 700 = 4\ 200$ $9 \times 700 = \dots\dots\dots$ $40 \times 20 = \dots\dots\dots$ $80 \times 70 = \dots\dots\dots$