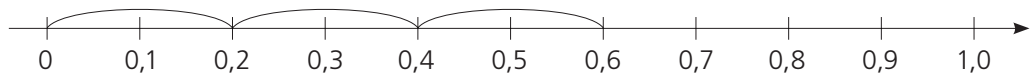


9 HOOFDREKENEN: KOMMAGETALLEN MET t DELEN

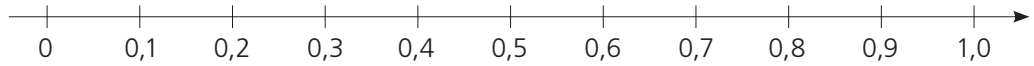


1 Duid aan op de getallenas en los op.

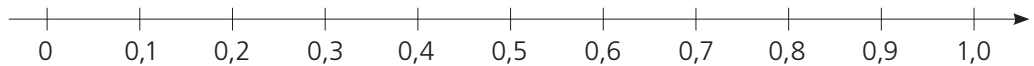
$$0,6 : 3 = 0,2$$



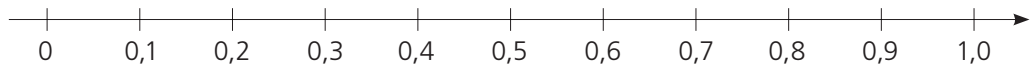
$$0,8 : 2 = \dots\dots$$



$$1 : 5 = \dots\dots$$



$$0,9 : 3 = \dots\dots$$



2 Nu wat moeilijker...

$$1,5 : 3 = 15t : 3 = 5t = 0,5$$

$$2,8 : 7 = \dots\dots\dots$$

$$2,7 : 3 = \dots\dots\dots$$

$$3,6 : 6 = \dots\dots\dots$$

$$5,4 : 9 = \dots\dots\dots$$

$$2,0 : 4 = \dots\dots\dots$$

$$1,2 : 3 = \dots\dots\dots$$

$$6,4 : 8 = \dots\dots\dots$$

$$4,2 : 7 = \dots\dots\dots$$

$$3,2 : 4 = \dots\dots\dots$$

3 Kun je dit nu ook?

$$12,8 : 4 = (12 : 4) + (8t : 4) = 3 + 2t = 3 + 0,2 = 3,2$$

$$24,8 : 8 = \dots\dots\dots$$

$$35,5 : 5 = \dots\dots\dots$$

$$16,8 : 4 = \dots\dots\dots$$

$$90,9 : 3 = \dots\dots\dots$$

$$64,8 : 8 = \dots\dots\dots$$

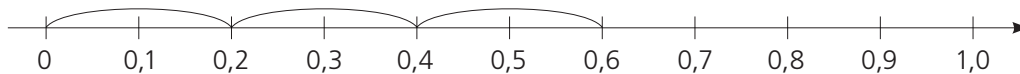
$$100,4 : 4 = \dots\dots\dots$$

8 HOOFDREKENEN: KOMMAGETALLEN MET t VERMENIGVULDIGEN

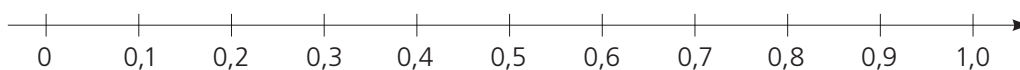


1 Duid aan op de getallenas en los op.

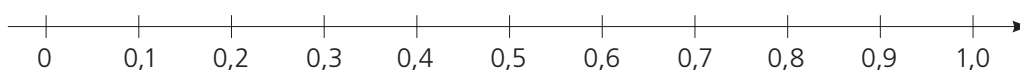
$$3 \times 0,2 = 0,6$$



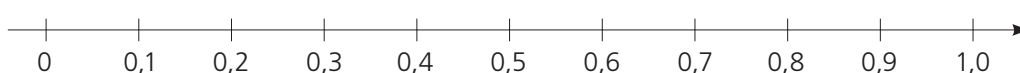
$$2 \times 0,4 = \dots\dots\dots$$



$$5 \times 0,2 = \dots\dots\dots$$



$$3 \times 0,3 = \dots\dots\dots$$



2 Nu wat moeilijker ...

$$5 \times 0,3 = 5 \times 3t = 15t = 1,5$$

$$0,6 \times 4 = 4 \times 0,6 = 4 \times 6t = 24t = 2,4$$

$$6 \times 0,5 = \dots\dots\dots$$

$$9 \times 0,7 = \dots\dots\dots$$

$$0,8 \times 8 = \dots\dots\dots$$

$$7 \times 0,8 = \dots\dots\dots$$

$$3 \times 0,8 = \dots\dots\dots$$

$$0,4 \times 4 = \dots\dots\dots$$

$$5 \times 0,4 = \dots\dots\dots$$

$$7 \times 0,9 = \dots\dots\dots$$

$$0,9 \times 9 = \dots\dots\dots$$

3 10 keer groter

$$10 \times 0,3 = 10 \times 3t = 30t = 3$$

$$10 \times 3,7 = 10 \times 37t = 370t = 37$$

$$10 \times 0,7 = \dots\dots\dots$$

$$10 \times 5,2 = \dots\dots\dots$$

$$3,8 \times 10 = \dots\dots\dots$$

$$0,2 \times 10 = \dots\dots\dots$$

$$10 \times 6,8 = \dots\dots\dots$$

$$10 \times 4,3 = \dots\dots\dots$$

$$10 \times 0,6 = \dots\dots\dots$$

$$9,1 \times 10 = \dots\dots\dots$$

$$10 \times 9,7 = \dots\dots\dots$$

4 Kun je dit nu ook?

$$3 \times 6,4 = (3 \times 6) + (3 \times 4t) = 18 + 12t = 18 + 1,2 = 19,8$$

$$4 \times 1,2 = \dots\dots\dots$$

$$4,3 \times 3 = \dots\dots\dots$$

$$6,8 \times 4 = \dots\dots\dots$$

$$2,9 \times 8 = \dots\dots\dots$$

$$6 \times 2,3 = \dots\dots\dots$$

$$5,7 \times 2 = \dots\dots\dots$$

$$5,2 \times 9 = \dots\dots\dots$$

$$7 \times 4,8 = \dots\dots\dots$$

$$5 \times 7,2 = \dots\dots\dots$$

$$3,8 \times 5 = \dots\dots\dots$$

6/7 CIJFEREN: KOMMAGETALLEN MET t OPTELLEN EN AFTREKKEN



a Optellen

$$356,6 + 25,5 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

$$625,5 + 726 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

$$165,2 + 110,7 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

$$462 + 52,3 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

$$427 + 902,4 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

$$285,7 + 671,5 = \dots\dots\dots$$

≈

	D	H	T	E,	t
+					

b Aftrekken

$$755,2 - 415,1 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

$$874,3 - 531 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

$$700 - 358,7 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

$$635,6 - 424,4 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

$$802 - 621 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

$$503 - 427,7 = \dots\dots\dots$$

≈

	D	H	T	E,	t
-					

1 TELLEN MET SPRONGEN



1 Maak de torentjes af.

.	.	.	57 260	.
.	.	.	57 160	.
.	.	23 900	.	69 666
.	.	23 800	.	.
.	57 753	.	.	.
.	56 753	.	.	66 666
42 640	.	.	.	.
42 540	.	.	.	.

2 Vul aan.

69 335	69 235	69 135	.
10 210	10 110	.	.
.	.	98 999	99 999
52 950	.	.	53 250

3 Maak nu zelf rijtjes. Je mag kiezen hoe groot de sprongen zijn.

43 440	.....	.....	.....
.....	.....	20 030	.....
.....	81 990	.....	.....
.....	.....	.....	37 001

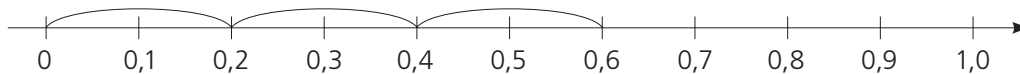
4 Waar loopt het rijtje fout? Duid het aan met een kleurtje.



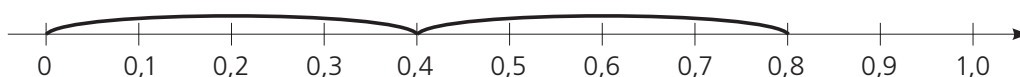
53 210	54 210	54 310	55 310
88 808	88 908	88 008	88 108
31 009	31 109	31 209	31 210
96 999	97 099	98 099	99 099

1 Duid aan op de getallenas en los op.

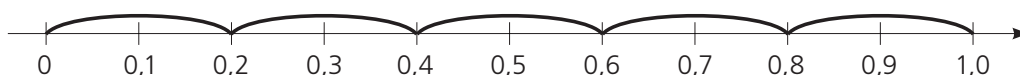
$$3 \times 0,2 = 0,6$$



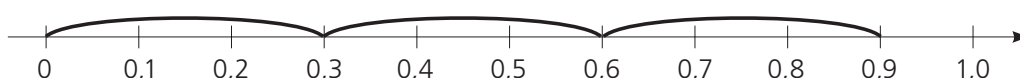
$$2 \times 0,4 = 0,8$$



$$5 \times 0,2 = 1$$



$$3 \times 0,3 = 0,9$$



2 Nu wat moeilijker ...

$$5 \times 0,3 = 5 \times 3t = 15t = 1,5$$

$$0,6 \times 4 = 4 \times 0,6 = 4 \times 6t = 24t = 2,4$$

$$6 \times 0,5 = 6 \times 5t = 30t = 3$$

$$9 \times 0,7 = 9 \times 7t = 63t = 6,3$$

$$0,8 \times 8 = 8t \times 8 = 64t = 6,4$$

$$7 \times 0,8 = 7 \times 8t = 56t = 5,6$$

$$3 \times 0,8 = 3 \times 8t = 24t = 2,4$$

$$0,4 \times 4 = 4t \times 4 = 16t = 1,6$$

$$5 \times 0,4 = 5 \times 4t = 20t = 2$$

$$7 \times 0,9 = 7 \times 9t = 63t = 6,3$$

$$0,9 \times 9 = 9t \times 9 = 81t = 8,1$$

3 10 keer groter

$$10 \times 0,3 = 10 \times 3t = 30t = 3$$

$$10 \times 3,7 = 10 \times 37t = 370t = 37$$

$$10 \times 0,7 = 10 \times 7t = 70t = 7$$

$$10 \times 5,2 = 10 \times 52t = 520t = 52$$

$$3,8 \times 10 = 38t \times 10 = 380t = 38$$

$$0,2 \times 10 = 2t \times 10 = 20t = 2$$

$$10 \times 6,8 = 10 \times 68t = 680t = 68$$

$$10 \times 4,3 = 10 \times 43t = 430t = 43$$

$$10 \times 0,6 = 10 \times 6t = 60t = 6$$

$$9,1 \times 10 = 91t \times 10 = 910t = 91$$

$$10 \times 9,7 = 10 \times 97t = 970t = 97$$

4 Kun je dit nu ook?

$$3 \times 6,4 = (3 \times 6) + (3 \times 4t) = 18 + 12t = 18 + 1,2 = 19,8$$

$$4 \times 1,2 = (4 \times 1) + (4 \times 2t) = 4 + 8t = 4,8$$

$$4,3 \times 3 = (4 \times 3) + (3t \times 3) = 12 + 9t = 12,9$$

$$6,8 \times 4 = (6 \times 4) + (8t \times 4) = 24 + 32t = 27,2$$

$$2,9 \times 8 = (2 \times 8) + (9t \times 8) = 16 + 72t = 23,2$$

$$6 \times 2,3 = (6 \times 2) + (6 \times 3t) = 12 + 18t = 13,8$$

$$5,7 \times 2 = (5 \times 2) + (7t \times 2) = 10 + 14t = 11,4$$

$$5,2 \times 9 = (5 \times 9) + (2t \times 9) = 45 + 18t = 46,8$$

$$7 \times 4,8 = (7 \times 4) + (7 \times 8t) = 28 + 56t = 33,6$$

$$5 \times 7,2 = (5 \times 7) + (5 \times 2t) = 35 + 10t = 36$$

$$3,8 \times 5 = (3 \times 5) + (8t \times 5) = 15 + 40t = 19$$


a Optellen

$356,6 + 25,5 = \dots \mathbf{382,1} \dots$

$\approx \dots \mathbf{360 + 30 = 390} \dots$

	D	H	T	E, t
		3	5	6,6
+			2	5,5
		3	8	2,1
			1	1

$625,5 + 726 = \dots \mathbf{1.351,5} \dots$

$\approx \dots \mathbf{630 + 730 = 1.360} \dots$

	D	H	T	E, t
		6	2	5,5
+		7	2	6
	1	3	5	1,5
	1		1	

$165,2 + 110,7 = \dots \mathbf{275,9} \dots$

$\approx \dots \mathbf{170 + 110 = 280} \dots$

	D	H	T	E, t
		1	6	5,2
+		1	1	0,7
		2	7	5,9

$462 + 52,3 = \dots \mathbf{514,3} \dots$

$\approx \dots \mathbf{460 + 50 = 510} \dots$

	D	H	T	E, t
		4	6	2
+			5	2,3
		5	1	4,3
		1		

$427 + 902,4 = \dots \mathbf{1.329,4} \dots$

$\approx \dots \mathbf{430 + 900 = 1.330} \dots$

	D	H	T	E, t
		4	2	7
+		9	0	2,4
	1	3	2	9,4
	1			

$285,7 + 671,5 = \dots \mathbf{957,2} \dots$

$\approx \dots \mathbf{300 + 650 = 950} \dots$

	D	H	T	E, t
		2	8	5,7
+		6	7	1,5
		9	5	7,2
		1		1

b Aftrekken

$755,2 - 415,1 = \dots \mathbf{340,1} \dots$

$\approx \dots \mathbf{750 - 400 = 350} \dots$

	D	H	T	E, t
		7	5	5,2
-		4	1	5,1
		3	4	0,1

$874,3 - 531 = \dots \mathbf{343,3} \dots$

$\approx \dots \mathbf{870 - 530 = 340} \dots$

	D	H	T	E, t
		8	7	4,3
-		5	3	1
		3	4	3,3

$700 - 358,7 = \dots \mathbf{341,3} \dots$

$\approx \dots \mathbf{700 - 350 = 350} \dots$

	D	H	T	E, t
		6	9	9 10
		7	0	0 , 0
-		3	5	8,7
		3	4	1,3

$635,6 - 424,4 = \dots \mathbf{211,2} \dots$

$\approx \dots \mathbf{640 - 420 = 220} \dots$

	D	H	T	E, t
		6	3	5,6
-		4	2	4,4
		2	1	1,2

$802 - 621 = \dots \mathbf{181} \dots$

$\approx \dots \mathbf{800 - 620 = 180} \dots$

	D	H	T	E, t
		7	10	
		8	0	2
-		6	2	1
		1	8	1

$503 - 427,7 = \dots \mathbf{75,3} \dots$

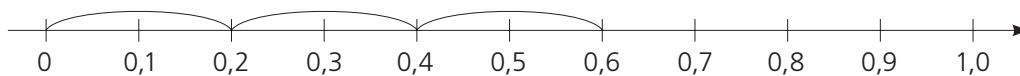
$\approx \dots \mathbf{500 - 430 = 70} \dots$

	D	H	T	E, t
		6	9	12 10
		5	0	3 , 0
-		4	2	7,7
		0	7	5,3

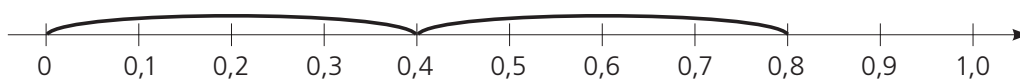


1 Duid aan op de getallenas en los op.

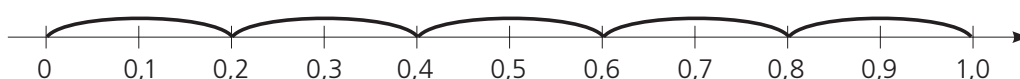
$$0,6 : 3 = 0,2$$



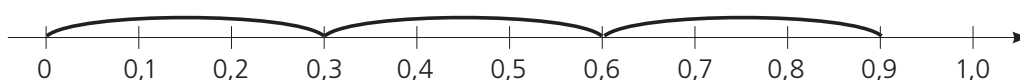
$$0,8 : 2 = 0,4$$



$$1 : 5 = 0,2$$



$$0,9 : 3 = 0,3$$



2 Nu wat moeilijker...

$$1,5 : 3 = 15t : 3 = 5t = 0,5$$

$$2,8 : 7 = 28t : 7 = 4t = 0,4$$

$$2,7 : 3 = 27t : 3 = 9t = 0,9$$

$$3,6 : 6 = 36t : 6 = 6t = 0,6$$

$$5,4 : 9 = 54t : 9 = 6t = 0,6$$

$$2,0 : 4 = 20t : 4 = 5t = 0,5$$

$$1,2 : 3 = 12t : 3 = 4t = 0,4$$

$$6,4 : 8 = 64t : 8 = 8t = 0,8$$

$$4,2 : 7 = 42t : 7 = 6t = 0,6$$

$$3,2 : 4 = 32t : 4 = 8t = 0,8$$

3 Kun je dit nu ook?

$$12,8 : 4 = (12 : 4) + (8t : 4) = 3 + 2t = 3 + 0,2 = 3,2$$

$$24,8 : 8 = (24 : 8) + (8t : 8) = 3 + 1t = 3 + 0,1 = 3,1$$

$$35,5 : 5 = (35 : 5) + (5t : 5) = 7 + 1t = 7 + 0,1 = 7,1$$

$$16,8 : 4 = (16 : 4) + (8t : 4) = 4 + 2t = 4 + 0,2 = 4,2$$

$$90,9 : 3 = (90 : 3) + (9t : 3) = 30 + 3t = 30 + 0,3 = 30,3$$

$$64,8 : 8 = (64 : 8) + (8t : 8) = 8 + 1t = 8 + 0,1 = 8,1$$

$$100,4 : 4 = (100 : 4) + (4t : 4) = 25 + 1t = 25 + 0,1 = 25,1$$

1 TELLEN MET SPRONGEN



1 Maak de torentjes af.

43 240	61 753	24 100	57 260	71 666
43 140	60 753	24 000	57 160	70 666
43 040	59 753	23 900	57 060	69 666
42 940	58 753	23 800	56 960	68 666
42 840	57 753	23 700	56 860	67 666
42 740	56 753	23 600	56 760	66 666
42 640	55 753	23 500	56 660	65 666
42 540	54 753	23 400	56 560	64 666

2 Vul aan.

69 335	69 235	69 135	69 035
10 210	10 110	10 010	9 910
96 999	97 999	98 999	99 999
52 950	53 050	53 150	53 250

3 Maak nu zelf rijtjes. Je mag kiezen hoe groot de sprongen zijn. meerdere oplossingen mogelijk

43 440	.....	.....	.....
.....	.....	20 030	.....
.....	81 990	.....	.....
.....	.....	.....	37 001

4 Waar loopt het rijtje fout? Duid het aan met een kleurtje.



53 210	54 210	54 310	55 310
88 808	88 908	88 008	88 108
31 009	31 109	31 209	31 210
96 999	97 099	98 099	99 099