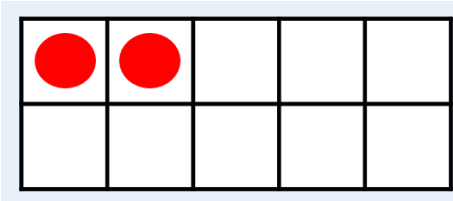
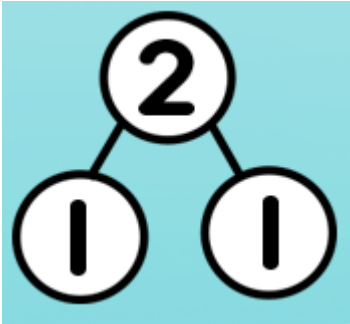
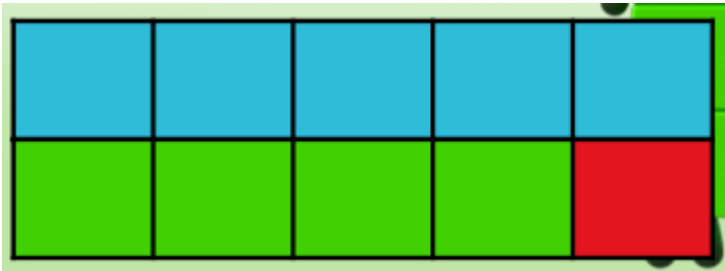
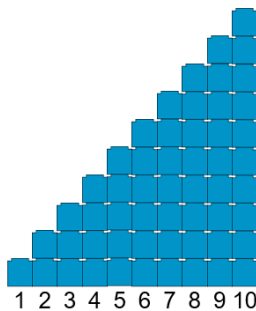
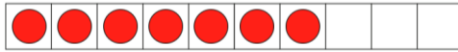
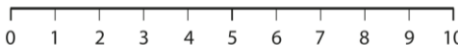
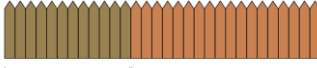
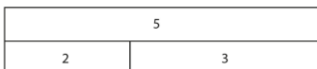
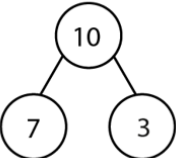
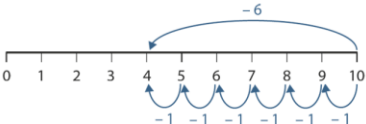
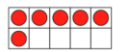
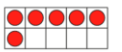
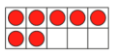
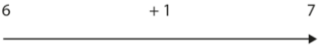
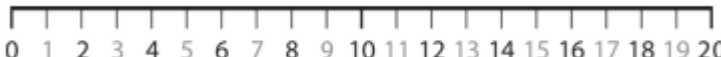
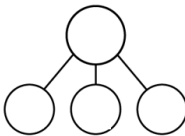
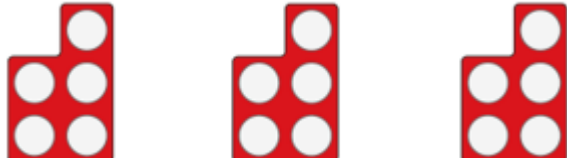
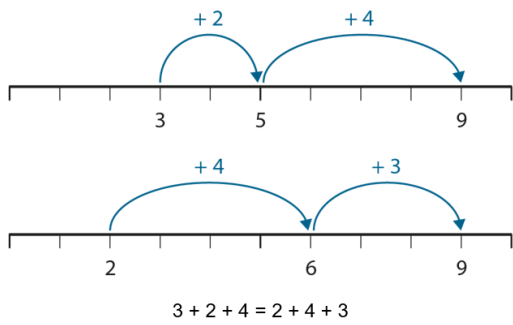
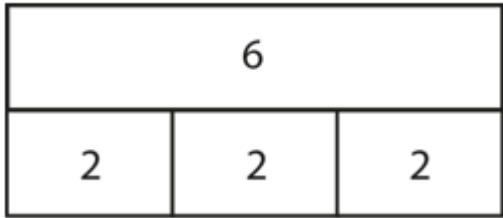


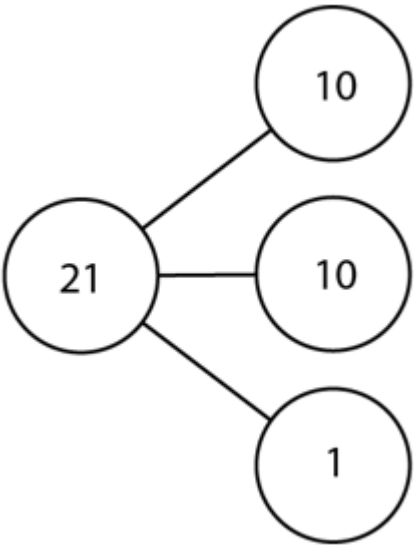
	Place Value Number Blocks Tens Frames 	Addition and Subtraction Number Blocks Part Whole Model  Bar Model 	Multiplication and Division Number Blocks	Fractions Bar Model  one-third
1	Dienes  Number lines 5  7   5  7 Tens Frames	  2 + 3 = 5 Bar Model  10 - 6 = 4 Part Whole Model  Number Line First  6 Then  7 Now  7  6 + 1 = 7 Tens Frame	Numicon  two four six eight ten 2 4 6 8 10 Number Line 	
2	Tens Frames	Tens frames Part whole model  10 = 2 + 3 + 5  Number Line	Numicon  Bar Model	



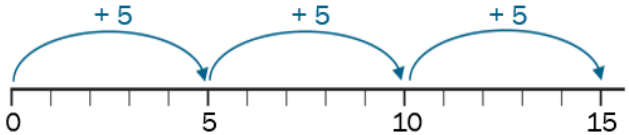
Bar Model



Part Whole Model

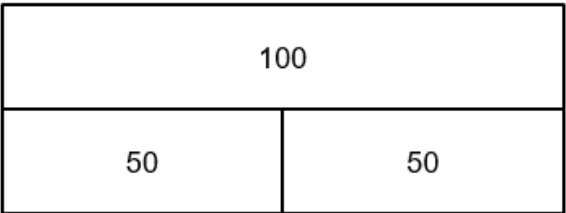


Number Lines

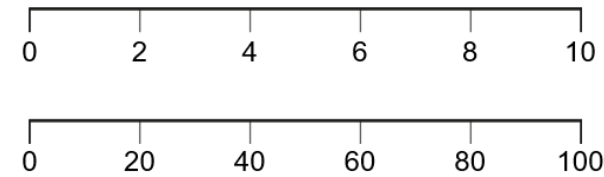


3

Bar Model

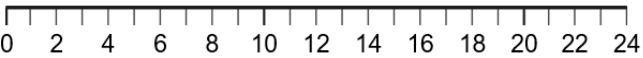


Number Lines

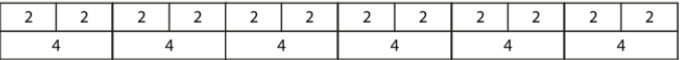


Part Whole Model

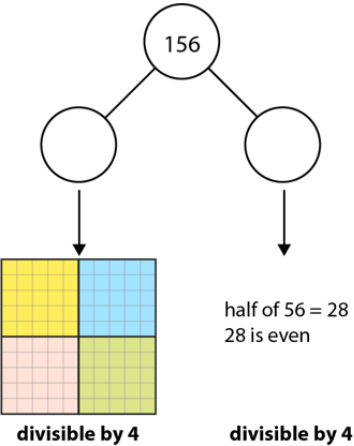
Number Lines



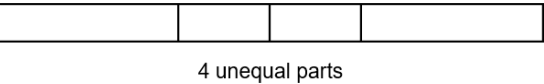
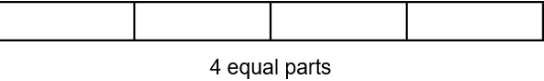
Bar Model



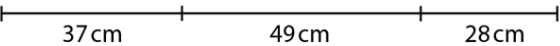
Whole Part Model



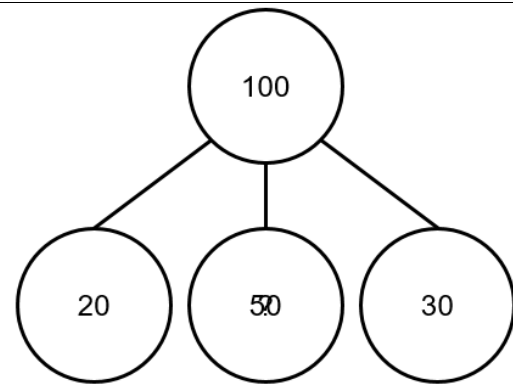
Bar Model



Number Line

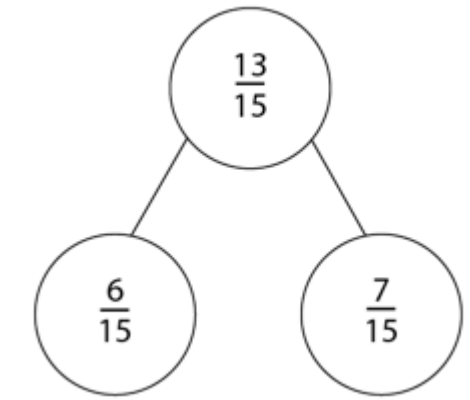
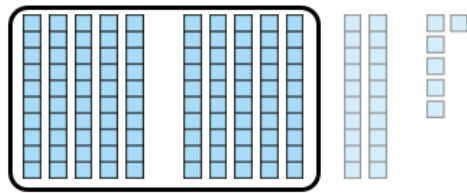


Whole Part Model



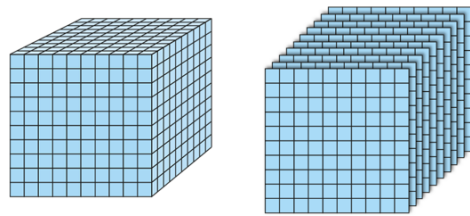
Dienes

$$\begin{array}{r} 126 \\ - 70 \\ \hline 26 \end{array} \quad \begin{array}{r} 100 \\ - 30 \\ \hline 70 \end{array} = 56$$

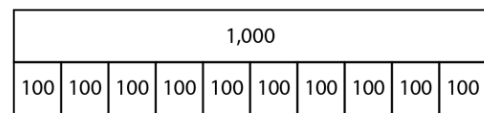


4

Dienes



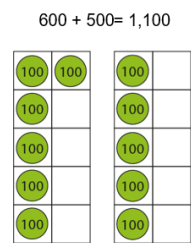
Bar Model



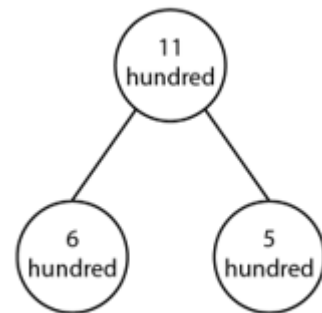
Number Line



Tens Frame



Part Whole Model

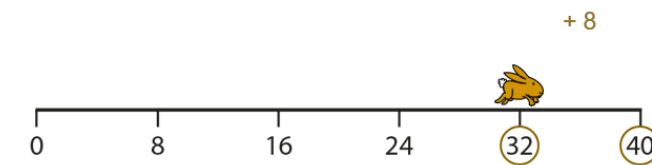


Bar Model

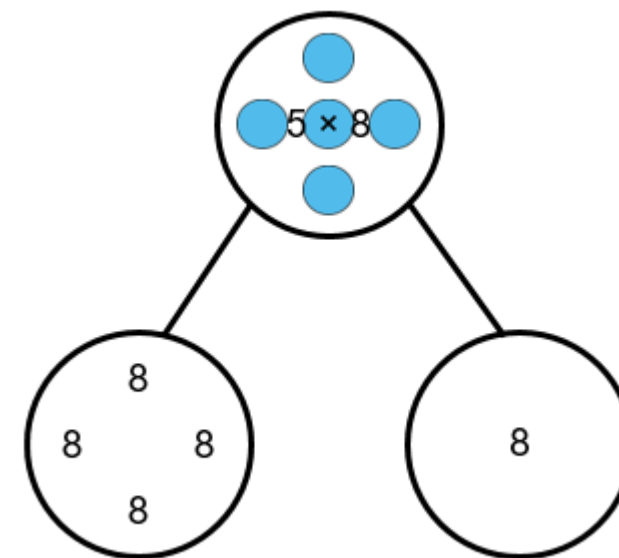
1,200 or 12 hundred	
500	700
5 hundred	7 hundred

Number Line

Number Lines

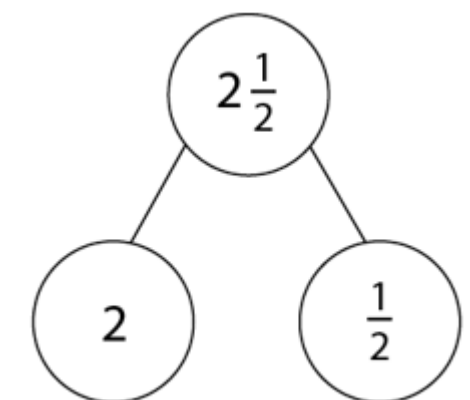


Part Whole Model

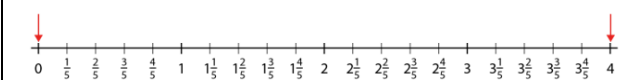


Bar Model

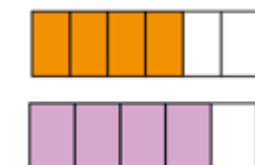
Whole Part Model

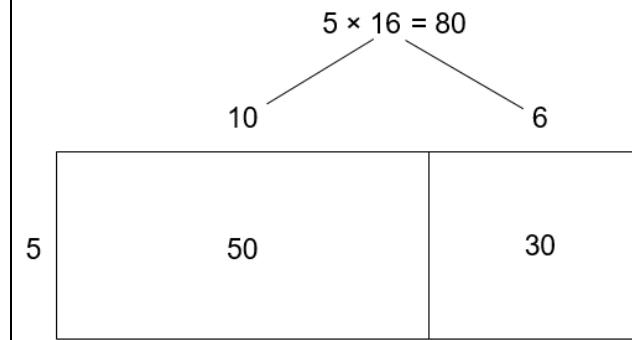
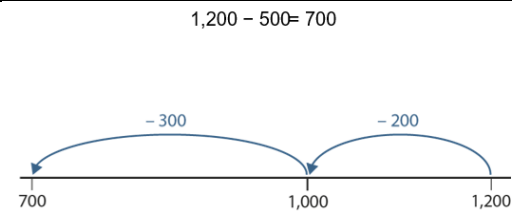


Number Line

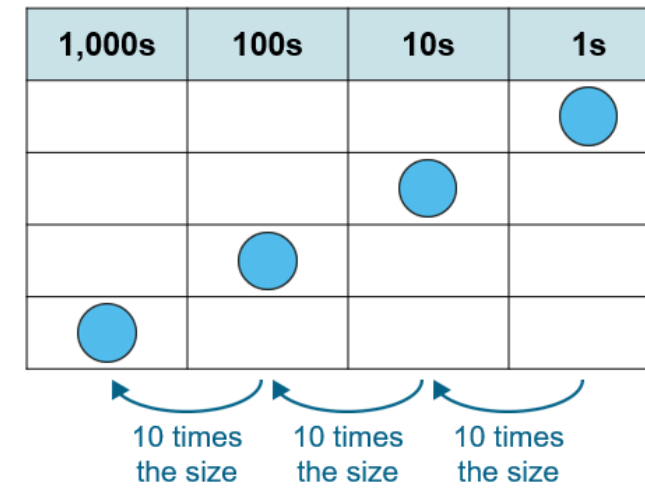


Bar Model



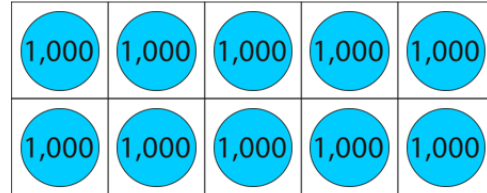


Place Value Grid

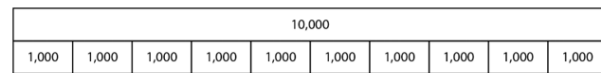


5

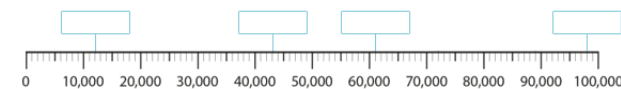
Tens Frame



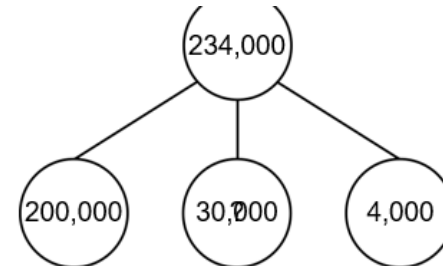
Bar Model



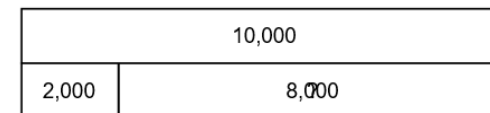
Number Line



Part Whole Model



Bar Model

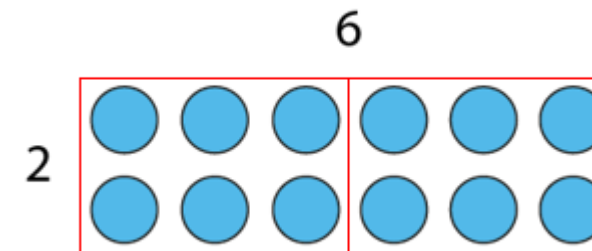


Place Value Grids

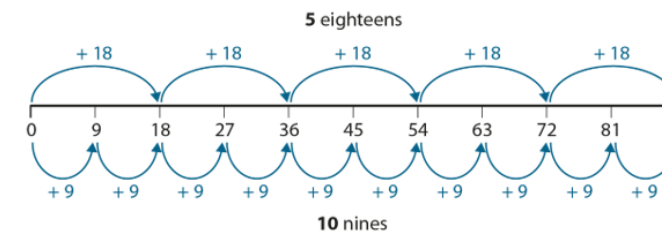
$$365,000 + 214,000 = 579,000$$

Thousands			Ones		
100s	10s	1s	100s	10s	1s
3	6	5	0	0	0
2	1	4	0	0	0
5	7	9	0	0	0

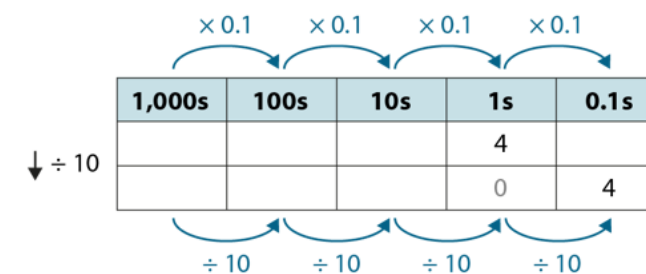
Bar Model



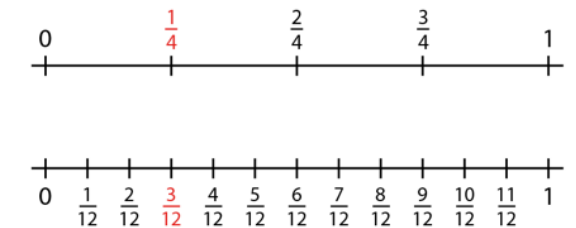
Number Lines



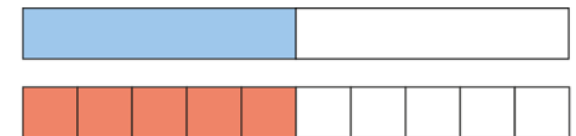
Place Value Grid



Number Lines



Bar Model



Fraction Wall

[illegible]

			Dienes 1 2 3 4 5 6																												
6	Place Value Grids <table><tr><th colspan="3">Millions</th><th colspan="3">Thousands</th><th colspan="3">Ones</th></tr><tr><th>100s</th><th>10s</th><th>1s</th><th>100s</th><th>10s</th><th>1s</th><th>100s</th><th>10s</th><th>1s</th></tr><tr><td></td><td></td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table> Bar Model 1,000 200 200 200 200 200 Number Lines 10,000 35,000 45,000	Millions			Thousands			Ones			100s	10s	1s	100s	10s	1s	100s	10s	1s			1	0	0	0	0	0	0	Part Whole Model 1,100 500 600 Number Line 500,000 1,000,000 1,100,000 Bar Model 357,022 243,610 ?	Dienes 3 × 10 Part Whole Model 42 × 28 42 × 20 42 × 8 Place Value Grid 100s 10s 1s 4 7 1 8 3 7 6 7 0 Bar Model	Bar Model 1 1/4 1/4 1/4 1/4 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 Dienes 1 one 1 tenth 1 hundredth Number Line 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0
Millions			Thousands			Ones																									
100s	10s	1s	100s	10s	1s	100s	10s	1s																							
		1	0	0	0	0	0	0																							

			9 number of red marbles: 3 3 3 number of blue marbles: 3 3 3 3 3 15	
--	--	--	---	--