Maths Workshop for Parents

November 2025

Learning Zone

Today

6 a-day

new

6 a-day

6 a-day

6 a-day

Hard work really does pay off, Eleanor. You've reached the green zone. Keep it up!

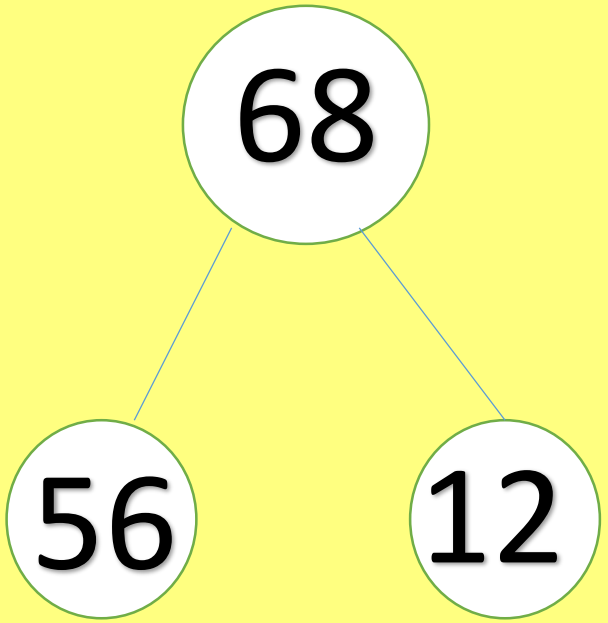
Add Assignment

What is Times Tables Rock Stars?


Hit the Button
Square Numbers
Halves
Division Facts
Number Bonds
Doubles
Times Tables
Topmarks

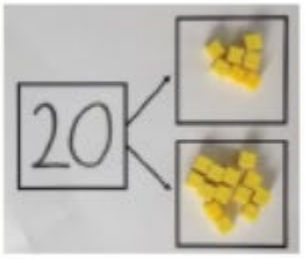
Addition

56 + 12 =

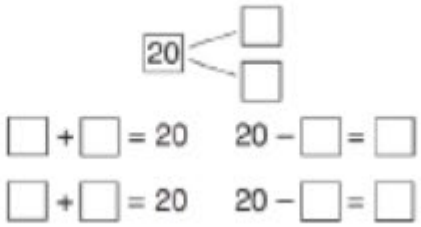


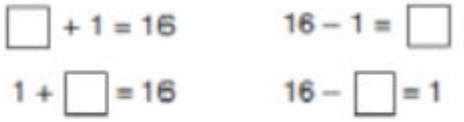
Use known number facts

Part part whole



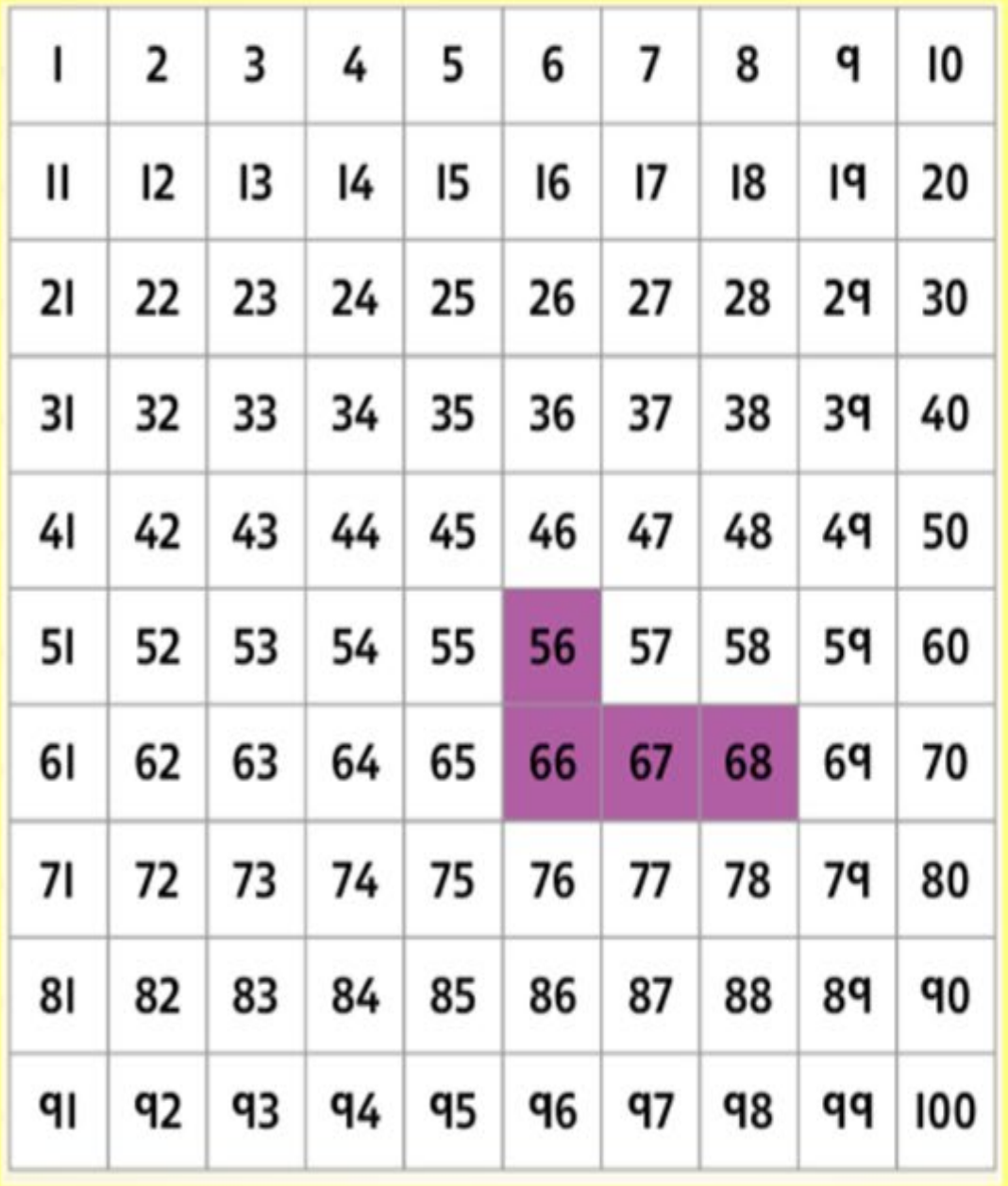
Children explore ways of making numbers within 20





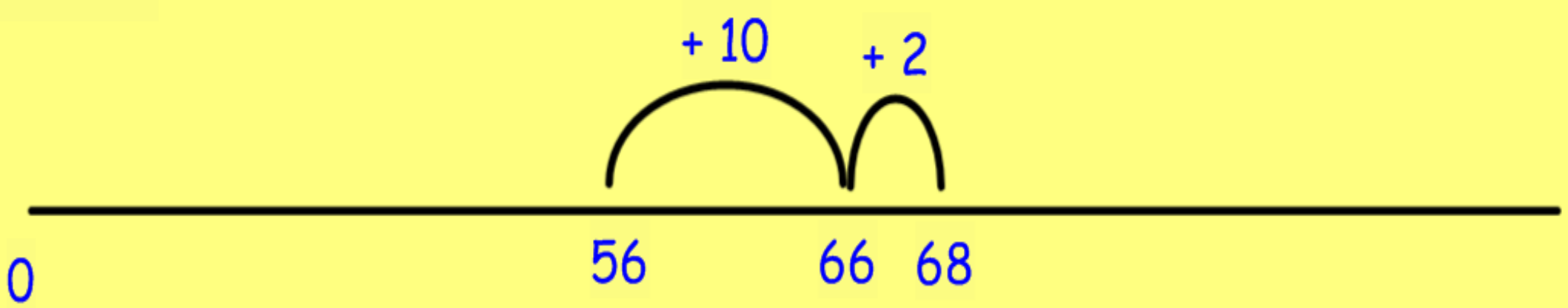
Addition

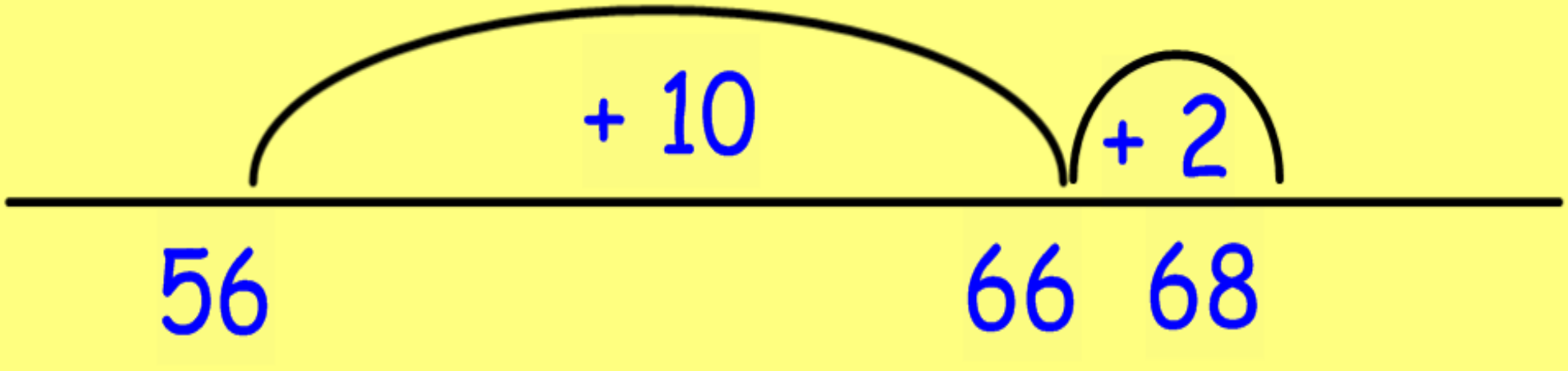
56 + 12 =



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

56 + 12 =





Have a go!

16 + 16 =

167 + 34 =

Something more familiar?

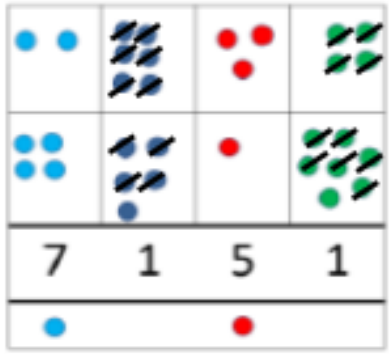
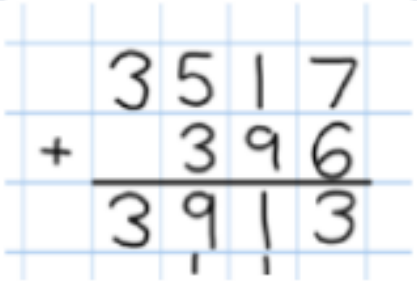
$$\begin{array}{r} 368 \\ +493 \\ \hline \end{array}$$

```
  3 6 8
+4 9 3
-------
    1 1
  1 5 0
  7 0 0
-------
  8 6 1
```

ones

tens

hundreds

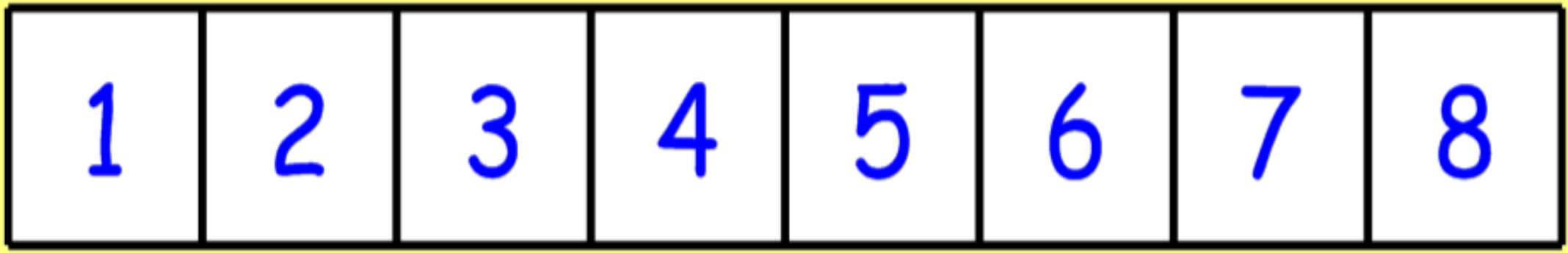
Objective & Strategy	Concrete	Pictorial	Abstract
Y4—add numbers with up to 4 digits	~~Children continue to use dienes or pv~~ counters to add, exchanging ten ones for a ten and ten tens for a hundred and ten hundreds for a thousand. 	 Draw representations using pv grid.	 Continue from previous work to carry hundreds as well as tens. Relate to money and measures.

Y4-6

AD

Subtraction (Take away)

8 - 4 =



Subtraction (finding the difference)

35 - 12 =

Subtraction (finding the difference)

Using a number line

35 - 12 =

Always check subtraction by using the inverse operation.

$35 - 12 = 23$

$23 + 12 = 35$

Have a go!

45 - 34 =

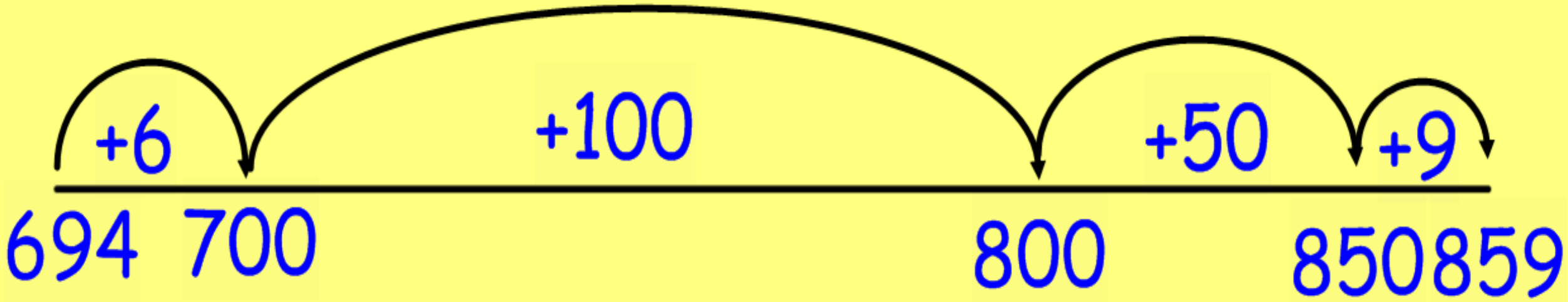
126 - 75 =

Number sentences are less useful as partitioning generally cannot be used.

In the example 73 - 26 = it is possible to start with 70 - 20 but 3-6 is less useful!

Numberlines make the calculation easier.

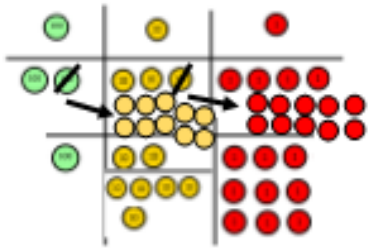
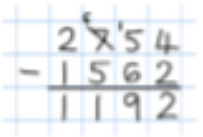
$$\begin{array}{r} 859 \\ -694 \\ \hline \end{array}$$



Using addition for subtraction

$$
\begin{array}{r}
859 \\
-694 \\
\hline
\end{array}
$$

6	700
100	800
50	850
9	859
165	

Objective & Strategy	Concrete	Pictorial	Abstract
Subtracting tens and ones Year 4 subtract with up to 4 digits. *Introduce decimal subtraction through context of money*	234 - 179  Model process of exchange using Numicon, base ten and then move to PV counters.	Children to draw place value counters to show their exchange.	Begin with expanded versions 100 130 14 200 30 4 100 70 9 0 50 5  Use language of 'exchange' rather than borrow.

Y4-6

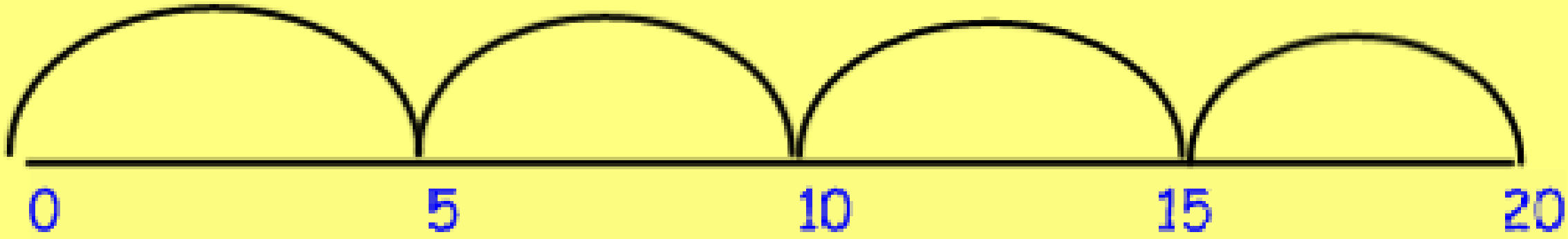
SUBTR

Multiplication

4 x 5 =

4 lots of 5

ooooo ooooo ooooo ooooo



4 x 16 =

x	10	6
4		

4 x 16 =

x	10	6
4	40	24

24 x 31 =

x	20	4
30	600	120
1	20	4

$5 \times 18 =$

$43 \times 29 =$

This can be extended to larger numbers and decimals.

53.5 x 17 =

x	50	3	0.5
10	500	30	5
7	350	21	3.5

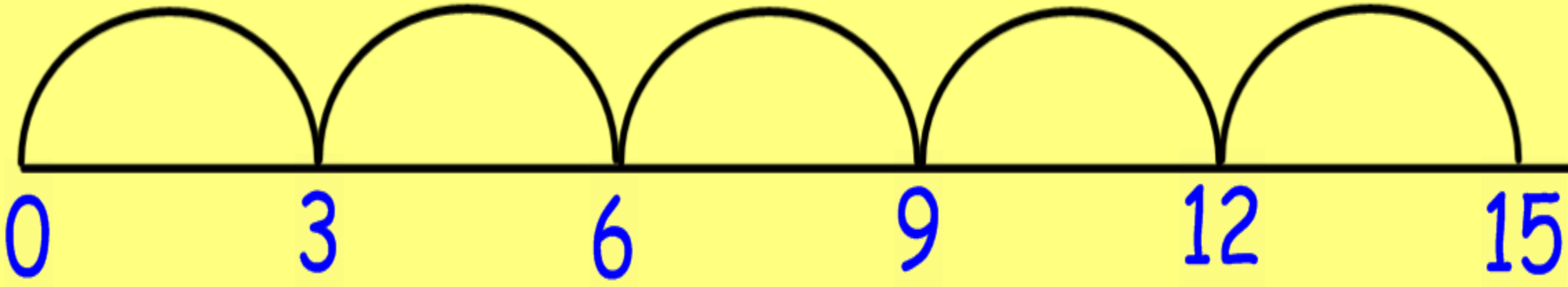
= 850 =51 =8.5

Division

$15 \div 3 =$

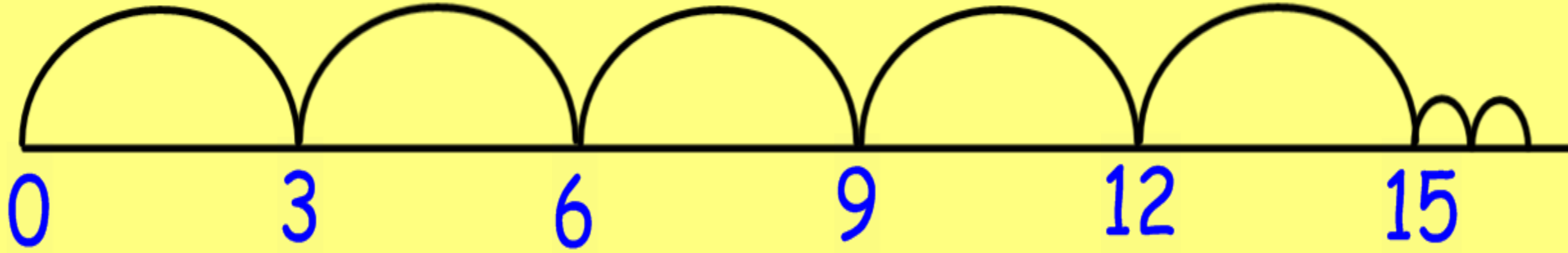
Use the inverse operation to check your answer.

15 : 3 =



Division with remainders

17 ÷ 3 =



$65 \div 5 =$

$110 \div 11 =$

Chunking Method for Division

147

÷ 5

50 = 10 x 5

97

50 = 10 x 5

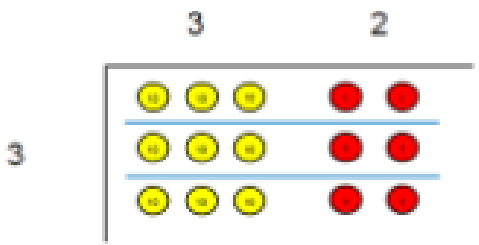
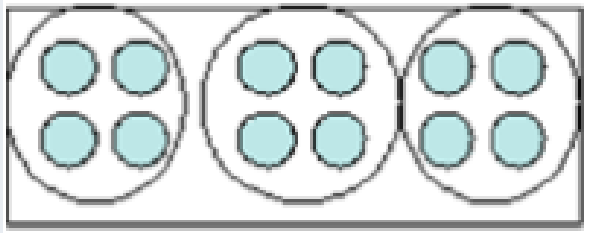
47

45 = 9 x 5

2

= 29 r 2

Y4-6 DIVISION

Objective & Strategy	Concrete	Pictorial	Abstract
Divide at least 3 digit numbers by 1 digit. Short Division	96 ÷ 3 Tens Units 3 2 3  Use place value counters to divide using the bus stop method alongside 	Students can continue to use drawn diagrams with dots or circles to help them divide numbers into equal groups. 	Begin with divisions that divide equally with no remainder.  Children can write out multiple lists to support Move onto divisions with a remainder.