

# Helping your child with Maths

Ashleigh Primary and Nursery School



# Contents

|   |                                                             |       |
|---|-------------------------------------------------------------|-------|
| ○ | <b>Introduction</b>                                         |       |
| ○ | ○ “They didn’t do it like that in my day!”                  | p. 3  |
| ○ | <b>Addition</b>                                             | p. 5  |
| ○ | ○ Addition on a number line                                 | p. 6  |
| ○ | ○ Compensating on a number line                             | p. 8  |
| ○ | ○ Expanded method                                           | p. 10 |
|   | ○ Standard method                                           | p. 12 |
|   | <b>Subtraction</b>                                          | p. 14 |
|   | ○ Subtraction on a number line                              | p. 15 |
|   | ○ Complementary addition – number line & written method     | p. 17 |
|   | ○ Working towards a standard method - decomposition         | p. 19 |
|   | ○ Standard method - decomposition                           | p. 21 |
|   | <b>Multiplication</b>                                       | p. 23 |
|   | ○ Multiplication on a number line                           | p. 24 |
|   | ○ Grid multiplication – TU x U                              | p. 26 |
|   | ○ Grid multiplication – TU x TU                             | p. 28 |
|   | ○ Grid method, expanded method and compact method – TU x U  | p. 30 |
|   | ○ Grid method, expanded method and compact method – TU x TU | p. 32 |
|   | <b>Division</b>                                             | p. 34 |
|   | ○ Division on a number line                                 | p. 35 |
|   | ○ Chunking on a number line                                 | p. 37 |
|   | ○ Division by chunking                                      | p. 39 |
|   | ○ Short compact division                                    | p. 41 |
|   | <b>Calculations in context</b>                              | p. 43 |
|   | <b>New National Mathematics Curriculum Appendix 1</b>       | p. 45 |
|   | <b>Place value cards</b>                                    | p. 47 |


## “They didn’t do it like that in my day!”

Do your children ask for help with their maths homework and start talking in a foreign language, using words like ‘partitioning’, ‘chunking’, ‘grid multiplication’.....?

If so, you may feel the need for some translation. This booklet is designed to explain some of the methods used to teach calculation in our school. They will still end up with the standard method we were taught, which links with the expectations in the New Mathematics Curriculum from September 2014. The difference is that they will build up to it and understand the method and why it works.

**Which is more important:**

mental calculation. :)



or

written. :)



This will depend on the numbers involved and the individual child.

When faced with a calculation, no matter how large or difficult the numbers may appear to be, all children should ask themselves:

Can I do this in my head?

If I can’t do it wholly in my head, what do I need to write down in order to help me calculate the answer?

Do I know the approximate size of the answer?

Will the written method I know be helpful?



## When do children need to start recording?

The following table shows how some sort of recording is relevant throughout the primary years with mental strategies playing an important role throughout. Children progress at different rates and the progression depends on the child's understanding.

| Reception                                | Year6 |
|------------------------------------------|-------|
| ← Making a record of a calculation →     |       |
| ← Jotting to support a mental strategy → |       |
| ← Explaining a mental strategy →         |       |
| ← Developing written methods →           |       |

It is important to encourage children to look first at the problem and then get them to decide which is the best method to choose – pictures, mental calculation with or without jottings, structured recording or calculator.

Children attempting to use formal written methods without a secure understanding will try to remember rules, which may result in unnecessary and mistaken applications of a standard method.

$$\begin{array}{r} 24 \\ +39 \\ \hline 513 \end{array}$$



Some of the methods explained in this booklet involve 'partitioning' and a set of place value cards are attached which can be pasted onto card and cut out (your child will show you how to use them).

## Addition

Children are taught to understand addition as combining two sets and counting on.

$$2+3= \square$$

At a party, I eat 2 cakes  
and my friend eats 3.

How many cakes did we eat  
altogether?



Children could draw a  
picture to help them work  
out the answer

$$8+4= \square$$

8 people are on the bus. 4  
more get on at the next  
stop. How many people are  
on the bus now?



or



Children could use dots or  
tally marks to represent  
objects (quicker than  
drawing a picture)

# ADDITION

Using an informal method by counting on in multiples of 10 with a number line

$$\begin{array}{r} \text{TU} + \text{TU} \\ 86 + 57 \end{array}$$

Why use a number line?

It helps me to show on paper what is going on in my head





# ADDITION

Using a number line to add too much and then subtract (*compensate*)

$$\begin{array}{r} \text{HTU} + \text{TU} \\ 754 + 96 \end{array}$$

Why are you subtracting when you should be adding?

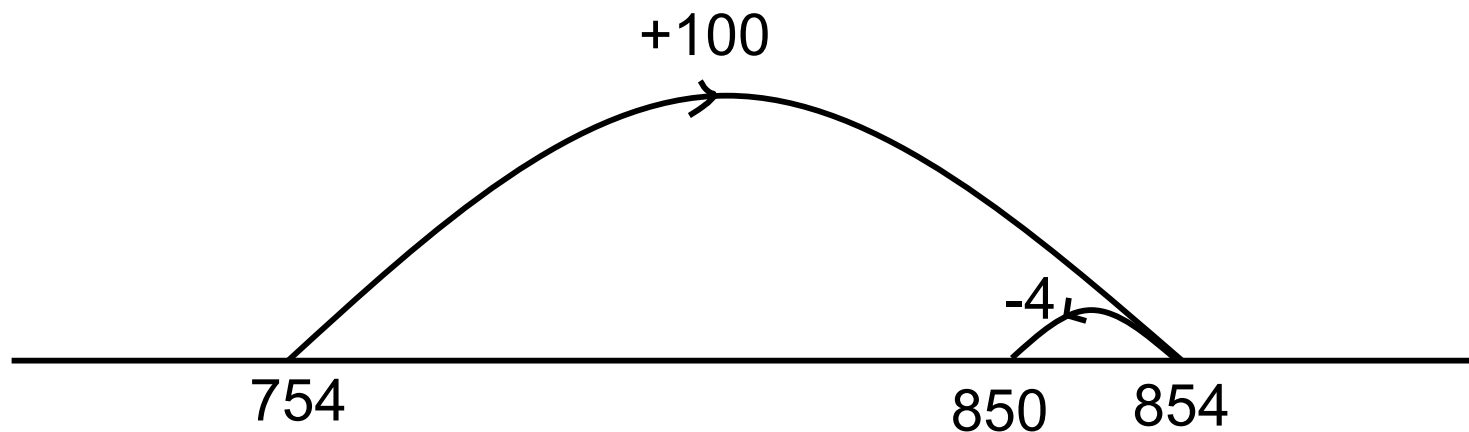
I noticed that 96 is close to 100. 100 is easier to add than 96 but that means I've added 4 too many. I need to subtract 4 from the number I reach.





$$\begin{array}{l} \text{HTU} + \text{TU} \\ 754 + 96 \end{array}$$

Start with the larger number 754. Add on 100 and then subtract 4.



$$754 + 96 = 850$$

# ADDITION

$$\begin{array}{r} \text{HTU} + \text{TU} \\ 625 + 148 \end{array}$$

Expanded method: moving on from adding the *most significant digits* first to adding *least significant digits* first

Why switch to adding the units (*least significant digits*) first?

I know that I can add numbers in any order and the total will be the same. My teacher has told me that I need to practise adding the units first. The next method I will learn works this way. I must remember to line the numbers up in the correct columns.



**HTU + HTU**  
**625 + 148**

Add *most significant digits* first:  
(in this example, **hundreds**)

$$\begin{array}{r} 625 \\ + 148 \\ \hline 700 \\ 60 \\ 13 \\ \hline 773 \end{array} \quad \begin{array}{l} 600 + 100 \\ 20 + 40 \\ 5 + 8 \end{array}$$

Add *least significant digits* first:  
(in this example, **units**)

$$\begin{array}{r} 625 \\ + 148 \\ \hline 13 \\ 60 \\ 700 \\ \hline 773 \end{array} \quad \begin{array}{l} 5 + 8 \\ 20 + 40 \\ 600 + 100 \end{array}$$

**Mentally add**  
**700 + 60 + 13 = 773**

**625 + 148 = 773**

# ADDITION

## Using a standard method

HTU + HTU

**587 + 475**

Why do you say  $80 + 70$   
instead of  $8 + 7$ ?

I need to remember the value  
of each digit, so I know the  
size of the numbers I am  
adding and whether my  
answer makes sense.



**HTU + HTU**  
**587 + 475**

$$\begin{array}{r} 587 \\ + 475 \\ \hline 1062 \\ \text{11} \end{array}$$

$7 + 5 = 12$   
Place the **2** in the units column and carry the **10** forward to the tens column.

$80 + 70 = 150$  then  $+ 10$  (carried forward) which totals **160**.  
Place **60** in the tens column and carry the **100** forward to the hundreds column.

$500 + 400 = 900$  then  $+ 100$  which totals **1000**. Place this in the thousands column.

$$587 + 475 = 1062$$

## Subtraction

Children are taught to understand subtraction as taking away (counting back) and finding the difference (counting up)

$$5 - 2 = \square$$

I had five balloons. Two burst.  
How many did I have left?



A teddy bear costs £5 and a doll costs £2. How much more does the bear cost?



Drawing a picture helps children to visualise the problem.

$$8 - 3 = \square$$

Mum baked 8 biscuits. I ate 3.  
How many were left?



Lisa has 8 felt tip pens and Tim has 3. How many more does Lisa have?



Using dots or tally marks is quicker than drawing a detailed picture.

# SUBTRACTION

$$\begin{array}{r} \text{TU} - \text{TU} \\ 84 - 56 \end{array}$$

How do you decide whether to count on or count back?

A

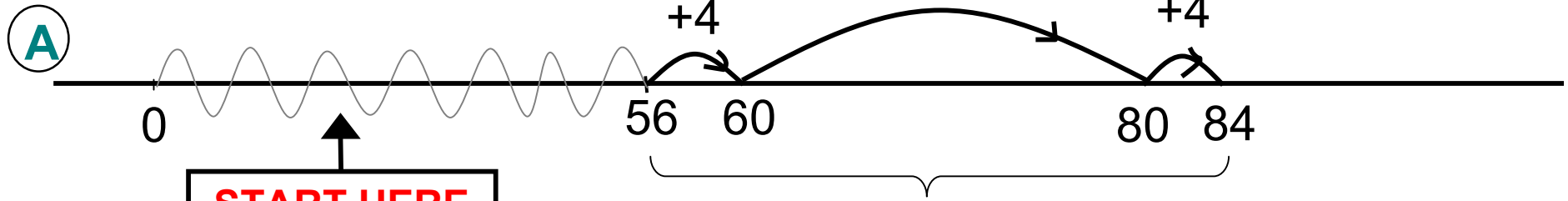
Counting on or counting back?

B

If the numbers are close together like  $203 - 198$  it's quicker to count on. If they're a long way apart like  $203 - 5$  it's quicker to take away. Sometimes I count on because that's easier than taking away.



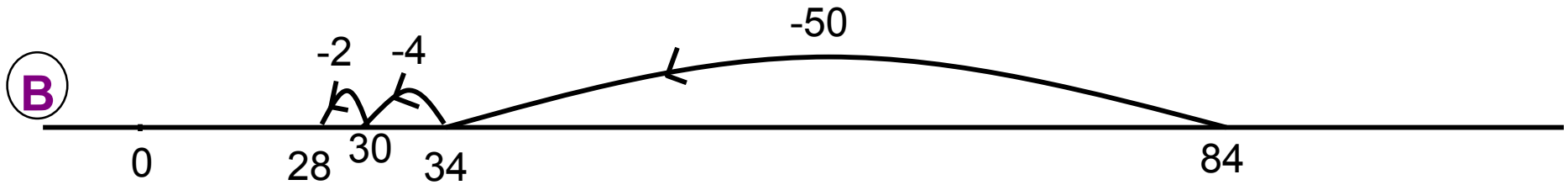
**TU - TU**  
**84 - 56**



**START HERE**

Start by 'taking away' (crossing out) the 56.

Find the *difference* between the two numbers.  
Count on from 56 to 84.  
 $20 + 4 + 4 = 28$



*Partition* 56 and count back (subtract) 50 and then 6.

**START HERE**

**$84 - 56 = 28$**



# SUBTRACTION

HTU - HTU  
**954 - 586**

Complementary addition

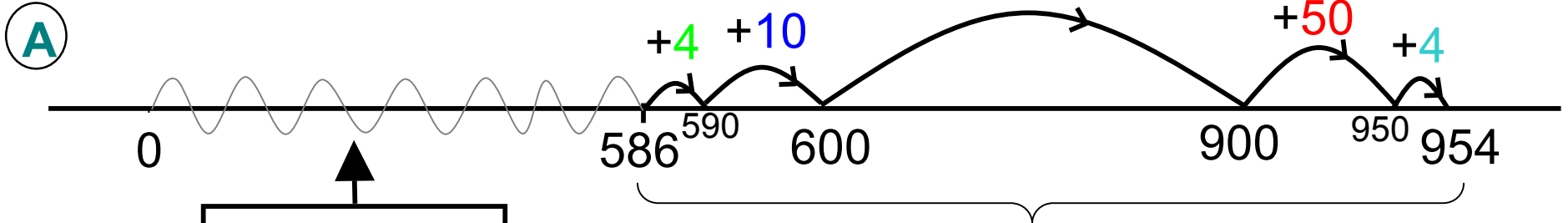
- A** Number line
- B** Written method

The number line method is very clear. Why do you use method B and write the numbers vertically?

I could make mistakes. Method B helps me line the numbers up and see what I need to add.



**HTU - HTU**  
**954 - 586**



**START HERE**

'Take away' the 586.

Find the *difference* between the two numbers.  
 Count on from 586 to 954.  
 $300 + 50 + 10 + 4 + 4 = 368$

**(B)**

**START HERE**

Count on to the next multiple of 10.

Count on to the next multiple of 100.

Count on in 100s.

Count on to the larger number in the calculation which is 954.

$$\begin{array}{r} 954 \\ - 586 \\ \hline \end{array}$$

**4** To make 590

**10** To make 600

**300** To make 900

**50** To make 950

**4** To make 954

$$\hline 368$$

**954 - 586 = 368**

# SUBTRACTION

Working towards a standard method (*decomposition*)

$$\begin{array}{r} \text{HTU} - \text{TU} \\ 154 - 37 \end{array}$$

Why do you need to rearrange the numbers  $50 + 4$  and rewrite them as  $40 + 14$ ?

The whole number is 154. It is possible to subtract 7 but for this method I need to do one subtraction in each column. So I exchange one ten from the tens column for ten ones in the units column.



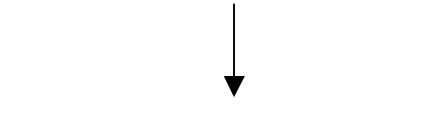
**HTU - TU**  
**154 - 37**

Both these numbers are partitioned into their HTU parts, so we can do 3 easier calculations.

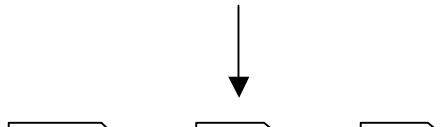
54 is the same value as 40 10 4.  
 Now 7 can be subtracted from 14.

Subtract the units, tens, then hundreds.

$$\begin{array}{r} 100 + 50 + 4 \\ - \quad 30 + 7 \end{array}$$



$$\begin{array}{r} 100 + 40 + 4 \\ - \quad 30 + 7 \end{array}$$



$$\begin{array}{r} 100 + 40 + 14 \\ - \quad 30 + 7 \end{array}$$

---


$$100 + 10 + 7 = 117$$

$$100 - 0 = 100$$

$$40 - 30 = 10$$

$$14 - 7 = 7$$

Here the answers from each calculation are added to give the answer.

**154 - 37 = 117**

# SUBTRACTION

Standard method (*decomposition*)

$$\begin{array}{r} \text{HTU} - \text{HTU} \\ 754 - 286 \end{array}$$

Why didn't you use  
the standard  
method straight  
away?

Because all the stages I  
have learnt before have  
really helped me  
understand exactly  
what I'm doing.



# HTU - HTU

## 754 - 286

54 is the same value as  
 $\boxed{40} + \boxed{10} + \boxed{4}$ .  
 Now 6 can be subtracted  
 from 14.

740 is the same value as  
 $\boxed{600} + \boxed{100} + \boxed{40}$ .  
 Now 80 can be  
 subtracted from 140.

$$\begin{array}{r}
 700 + \overset{40}{\cancel{50}} + \overset{1}{4} \\
 - 200 + 80 + 6
 \end{array}$$

$$\begin{array}{r}
 600 \\
 \cancel{700} + \overset{1}{40} + 14 \\
 - 200 + 80 + 6
 \end{array}$$

$$\begin{array}{r}
 600 + 140 + 14 \\
 - 200 + 80 + 6
 \end{array}$$

---


$$400 + 60 + 8 = 468$$

Or, more efficiently  
 the *standard method*.

$$\begin{array}{r}
 \overset{1}{6} \overset{4}{\cancel{7}} \overset{1}{4} \\
 \cancel{7} \overset{1}{5} \overset{1}{4} \\
 - 286 \\
 \hline
 468
 \end{array}$$

$$754 - 286 = 468$$

## Multiplication

Children are taught to understand multiplication as repeated addition and scaling. It can also describe an array.

$$2 \times 4 = \square$$

Each child has two eyes.

How many eyes do four children have?



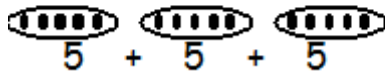
$$2 + 2 + 2 + 2$$

Again a picture can be useful.

$$5 \times 3 = \square$$

There are 5 cakes in a pack.

How many cakes in 3 packs?

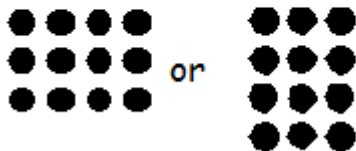


$$5 + 5 + 5$$

Dots or tally marks are often drawn in groups. This shows 3 lots of 5.

$$4 \times 3 = \square$$

A chew costs 4p. How much do 3 chews cost?



Drawing an array (3 rows of 4 or 3 columns of 4) gives children an image of the answer. It also helps develop the understanding that  $4 \times 3$  is the same as  $3 \times 4$ .

# MULTIPLICATION

Introducing multiplication  
on a number line

$$\begin{array}{r} TU \times U \\ 14 \times 5 \end{array}$$

How is  
multiplication the  
same as repeated  
addition?

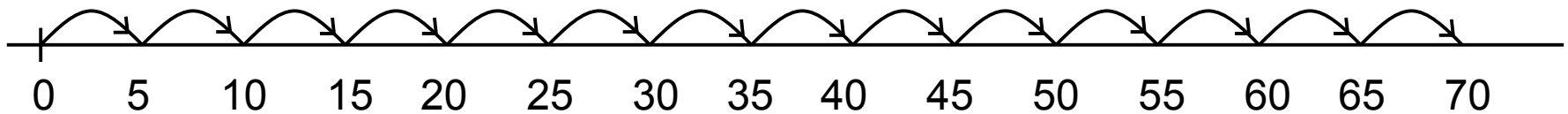
The number line helps me see each  
group of 5 clearly.  
If I add 5 fourteen times, that is the  
same as 5 multiplied by 14 ( $5 \times 14$ ). I can  
make 14 individual jumps of 5 along the  
number line, or 1 jump of  $5 \times 10$  and 1  
jump of  $5 \times 4$ . Table facts will help me  
do this more quickly.



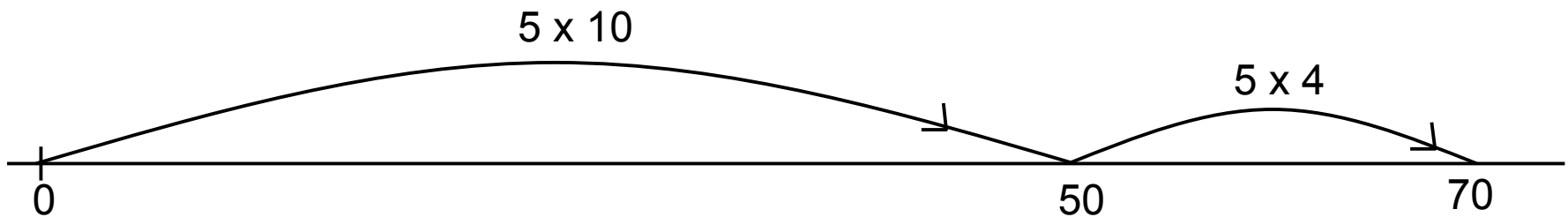


**TU x U**  
**14 x 5**

The number line shows 5 multiplied by 14. This is equal to 14 multiplied by 5 (14 jumps of 5 on the number line).



Multiplication is *repeated addition*.



Using table facts to make bigger jumps is more efficient.

**14 x 5 = 70**

# GRID MULTIPLICATION

$$\begin{array}{r} \text{TU} \times \text{U} \\ 14 \times 5 \end{array}$$

Why do you *partition* the numbers into tens and units?

It doesn't take long!  
I can see what I have to multiply very easily.



**TU X U**  
**14 x 5**

*Partition* TU number into tens and units parts.  
 $14$  becomes  $10$  and  $4$

|               |      |      |      |
|---------------|------|------|------|
| $14 \times 5$ |      |      |      |
| X             | $10$ | $4$  |      |
| $5$           | $50$ | $20$ | $70$ |

50 comes from multiplying 10 by 5. It is called a *part-product*.

20 comes from multiplying 4 by 5. Another *part-product*.

The *part-products* are totalled to give the *final product* or answer of 70.

**$14 \times 5 = 70$**

# GRID MULTIPLICATION

TU X TU  
**46 x 32**

Isn't it difficult to multiply 40 by 30?

I know that 30 is  $3 \times 10$  and multiplying by 10 is easy so I do  $40 \times 3 \times 10 = 120 \times 10 = 1200$ .

You've got to do a lot of calculations – don't you get confused?



The layout of the grid helps me organise what I have to do. I like this method.

**TU X TU**  
**46 x 32**

Both numbers are *partitioned* into their tens and units parts,

**46** becomes **40** and **6** and **32** becomes **30** and **2**.

**46 x 32**

|           |           |          |             |
|-----------|-----------|----------|-------------|
| X         | <b>40</b> | <b>6</b> |             |
| <b>30</b> | 1200      | 180      | 1380        |
| <b>2</b>  | 80        | 12       | 92          |
|           |           |          | <b>1472</b> |

The *part products* are added in stages to give the final *product* or answer of 1472.

**46 x 32 = 1472**

# MULTIPLICATION

Grid method, **Expanded method**  
and **Compact method**

$$\begin{array}{r} \text{TU X U} \\ 23 \times 8 \end{array}$$

What are the brackets for in the expanded method?

They remind me which numbers I am multiplying.  
I also have to remember to line the numbers up as hundreds, tens and units.

Why do you multiply 3 by 8 first in the compact method?  
In all the other methods I've noticed that you've multiplied the tens number first!



I multiply the units first so I can carry forward any tens I need to!  
This method is very quick but I have to remember to add on any numbers I carry forward.

**TU X U**  
**23 x 8**

**GRID METHOD**

|   |     |    |     |
|---|-----|----|-----|
| X | 20  | 3  |     |
| 8 | 160 | 24 | 184 |

**EXPANDED METHOD**

20 multiplied by 8 equals 160.  
 3 multiplied by 8 equals 24.

Final product from totalling the *part-products*.

**HTU**  
 23  
 x 8  
 ---  
 160 (20 x 8)  
 24 (3 x 8)  
 ---  
 184

**COMPACT METHOD**  
 (short multiplication)

**HTU**  
 23  
 x 8  
 ---  
 184  
 2

3 multiplied by 8 equals 24 (the first *part product*).

2 is the 2 tens that need to be carried forward and added to the next *part product*.

20 multiplied by 8 equals 160 (2<sup>nd</sup> *part product*), plus the 2 tens equals 180.

The digits are put in the correct columns, to give the answer 184.

**23 x 8 = 184**

# MULTIPLICATION

$$\begin{array}{r} \text{TU} \times \text{TU} \\ 46 \times 32 \end{array}$$

Grid method, **Expanded method**  
and **Compact method**

I recognise the long multiplication method. How do you multiply 46 by 30?

Well!... I know that  $46 \times 30$  is the same as  $46 \times 3 \times 10$ . I know my answer will end in zero when I multiply this whole number by 10. So... I put the zero in first. Then I multiply  $46 \times 3$  using the short multiplication method.





# TU X TU

## 46 x 32

### GRID METHOD

|    |      |     |      |
|----|------|-----|------|
| X  | 40   | 6   |      |
| 30 | 1200 | 180 | 1380 |
| 2  | 80   | 12  | 92   |
|    |      |     | 1472 |

### COMPACT METHOD

(long multiplication)

$$\begin{array}{r}
 46 \\
 \times 32 \\
 \hline
 92 \\
 1380 \\
 \hline
 1472
 \end{array}$$

(46 x 30)

(46 x 2)

46 x 30 is the same as 46 x 3 x 10.

46 x 2 mentally or by short multiplication.

### EXPANDED METHOD

The 4 *part products* are set out vertically underneath the calculation.

*Part products* totalled to give final product.

$$\begin{array}{r}
 46 \\
 \times 32 \\
 \hline
 1200 \quad (40 \times 30) \\
 180 \quad (6 \times 30) \\
 80 \quad (40 \times 2) \\
 12 \quad (6 \times 2) \\
 \hline
 1472
 \end{array}$$

$$46 \times 32 = 1472$$

## Division

Children are taught to understand division as sharing and grouping

$$6 \div 2 = \square$$

6 lollies are shared between 2 children. How many lollies does each child get?



There are 6 lollies. How many children can have two each?



More pictures!  
Drawing often gives children a way into solving the problem.

$$12 \div 4 = \square$$

12 apples are shared equally between 4 baskets. How many apples are in each basket?



4 apples are packed in a basket. How many baskets can you fill with 12 apples?



Dots or tally marks can either be shared out one at a time or split up into groups.

# DIVISION

TU ÷ U

29 ÷ 3

Introducing division on a number line

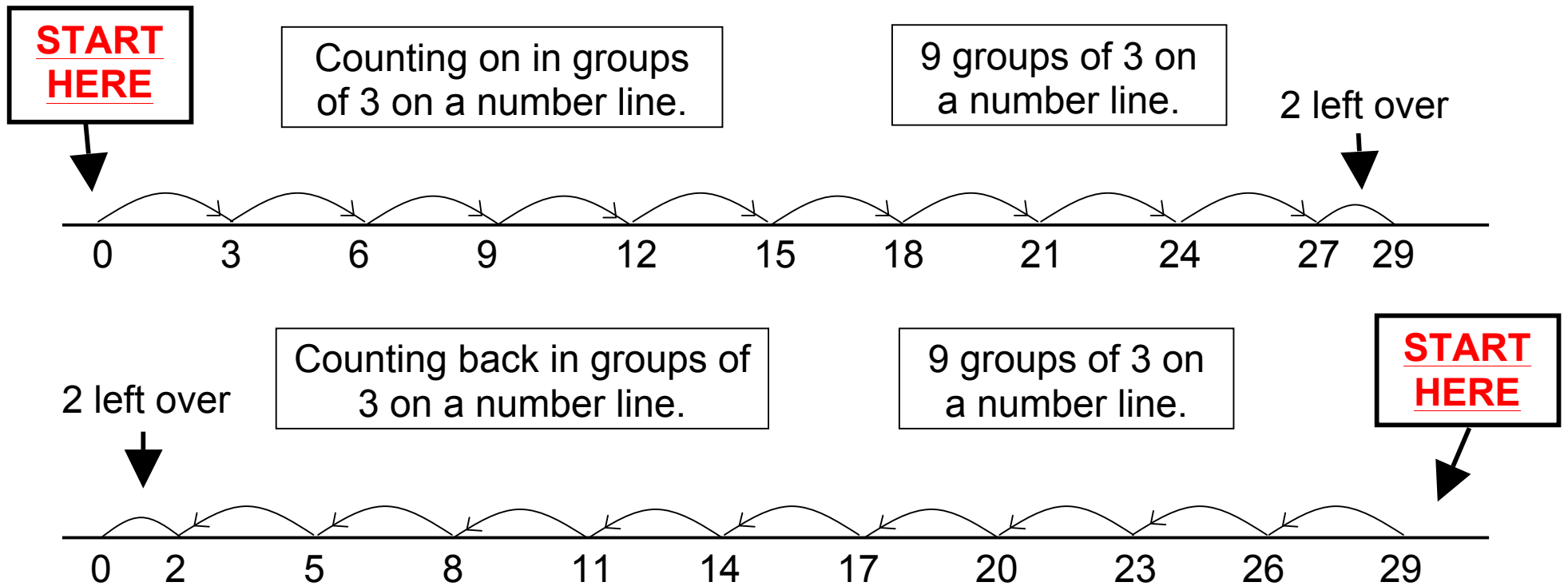
Why are you adding on one line and subtracting on the other? And what has subtraction got to do with division?

I need to see how many groups of 3 there are in 29, so I either add on or take away groups of 3 until I can't add or take any more. Using the subtraction method will help me later on.



$$TU \div U$$

$$29 \div 3$$



There are 9 groups of 3 in 29, with 2 left over.

$$29 \div 3 = 9 \text{ r}2$$

# DIVISION

TU ÷ U

72 ÷ 5

## Chunking on a number line

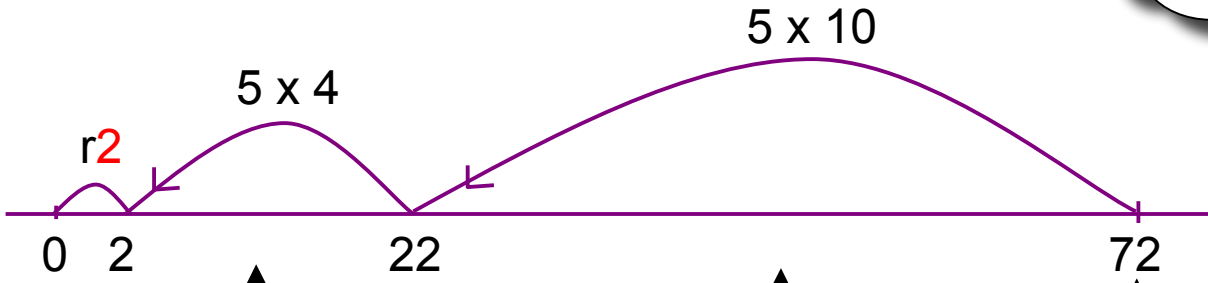
I've never heard of chunking before!  
How does this help with division?

If I can, I try to take out 10 groups of the number I'm dividing by. This is a big chunk and makes the calculation easier. But I can take out chunks that are any number of groups.



**TU ÷ U**  
**72 ÷ 5**

Numberlines can be **vertical** or **horizontal**.



Subtract 4 groups of 5 (20) from 22 to land on 2.

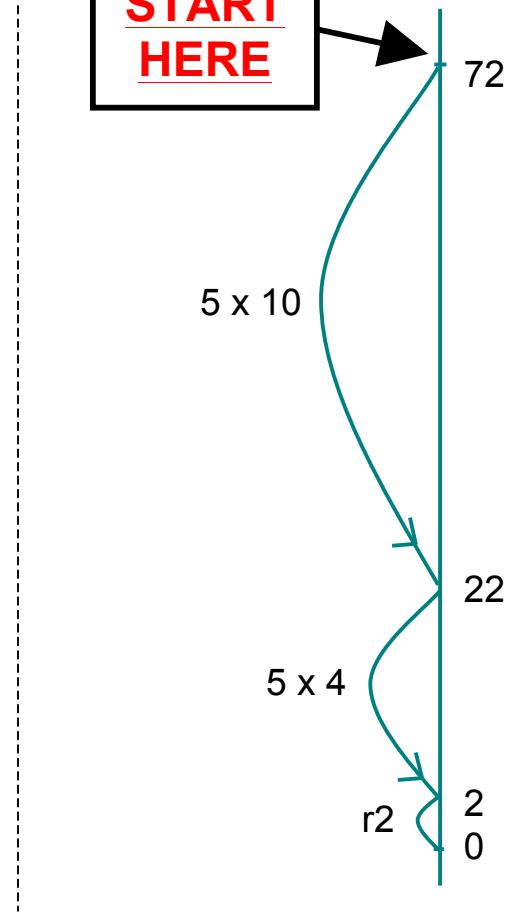
Subtract 10 groups of 5 (50) from 72 to land on 22.

**START HERE**

14 groups of 5 subtracted altogether.

**2 left!**  
 This is the *remainder*.

**START HERE**



**72 ÷ 5 = 14 r2**

# DIVISION BY CHUNKING

HTU  $\div$  U

**256  $\div$  7**

How do you decide what size chunk to subtract?

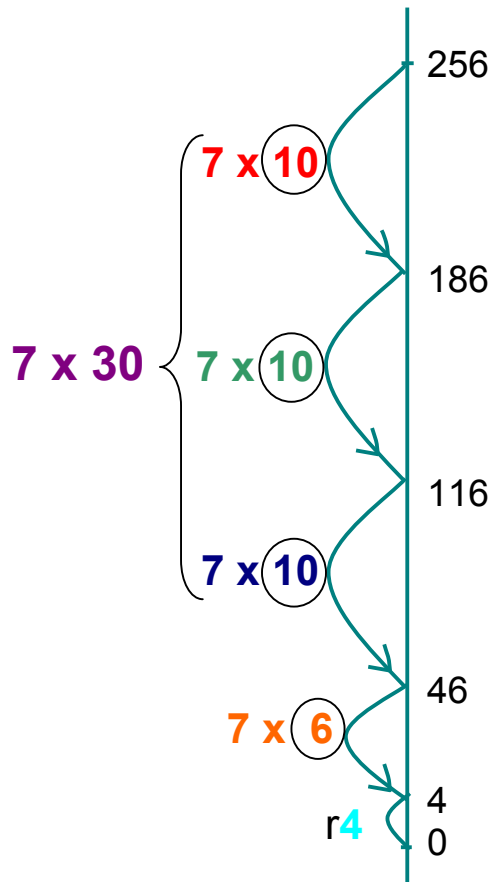
I look for chunks of 10 first. If I take bigger chunks it makes the calculation quicker and easier. Method **(C)** is shorter and more efficient than **(B)**.



HTU ÷ U

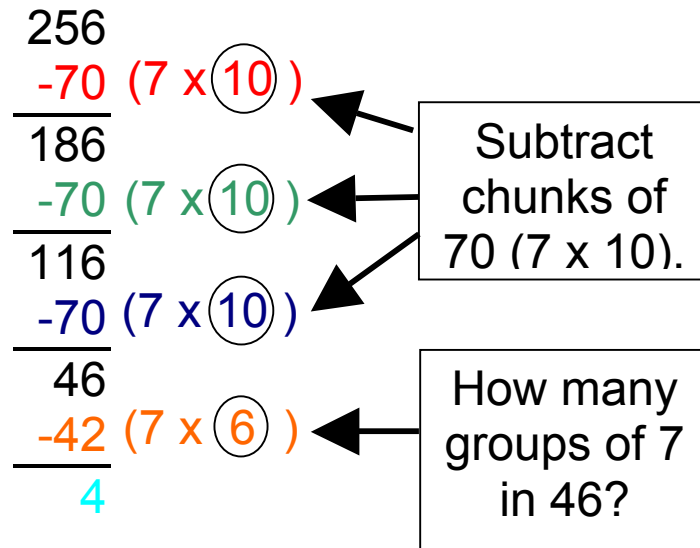
$$256 \div 7$$

(A)



How many groups of 7 in 256?

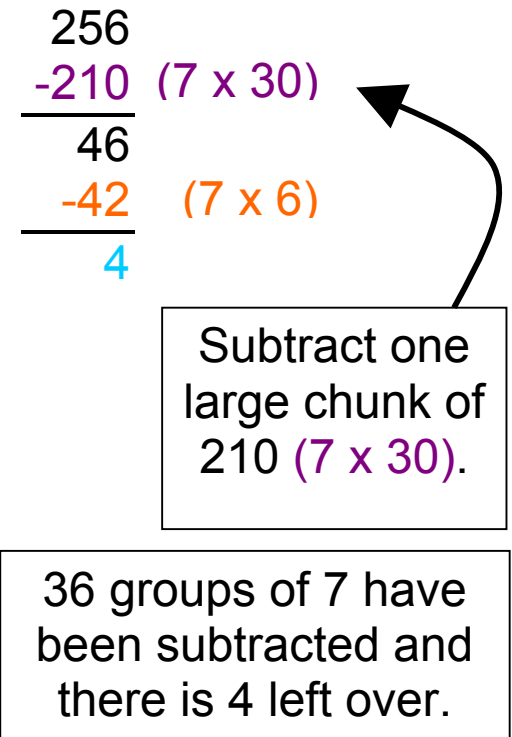
(B)



Total the numbers of groups of 7.

$$10 + 10 + 10 + 6 = 36$$

(C)



$$256 \div 7 = 36 \text{ r}4$$



# SHORT COMPACT DIVISION

Isn't it easier to say  
'how many 3s in 4?'

I need to remember the value  
of each digit so I know  
whether my answer makes  
sense. I will only use this  
method when I am confident  
with mental and chunking  
methods of division.



**HTU ÷ U**  
**471 ÷ 3**

$$\begin{array}{r} 1 \\ 3 \overline{) 471} \end{array}$$



**Q:** What is the largest number of hundreds that will divide exactly by 3?

**A:** 300 divided by 3 = 100. This leaves 100 which is exchanged for ten tens in the tens column.

$$\begin{array}{r} 15 \\ 3 \overline{) 471} \end{array}$$



**Q:** What is the largest number of tens that will divide exactly by 3?

**A:** 150 divided by 3 = 50. This leaves 20 which is exchanged for 20 units in the units column.

$$\begin{array}{r} 157 \\ 3 \overline{) 471} \end{array}$$



**Q:** What is the largest number of units that will divide exactly by 3?

**A:** 21 divided by 3 = 7

**471 ÷ 3 = 157**

# CALCULATIONS IN CONTEXT

All the methods in this booklet support children in using their mental and written skills to solve calculations. Children need to be encouraged to use the method that they understand and can use confidently.

It is important that children are able to choose the most appropriate method for the calculation. For example:

$$4003 - 3998$$

These numbers are very close together and so counting up on a number line (actual or imagined) would be the most efficient method.

$$200 \div 4$$

Dividing by 4 is the same as halving and halving again. As it is easy to halve 200 and easy to halve 100, this would be the most efficient method.

Using and applying appropriate skills is very important, when calculations are needed to solve a problem.

#### **4 C.DS at £2.99 – how much altogether?**

£2.99 is almost £3.00 and so round up, multiply, then adjust:

$$4 \times £3.00 = £12.00$$

$$£12.00 - 4p = £11.96$$

Mathematics – key stages 1 and 2  
 Mathematics Appendix 1: Examples of formal written methods for addition, subtraction, multiplication and division

This appendix sets out some examples of formal written methods for all four operations to illustrate the range of methods that could be taught. It is not intended to be an exhaustive list, nor is it intended to show progression in formal written methods. For example, the exact position of intermediate calculations (superscript and subscript digits) will vary depending on the method and format used.

For multiplication, some pupils may include an addition symbol when adding partial products. For division, some pupils may include a subtraction symbol when subtracting multiples of the divisor.

**Addition and subtraction**

789 + 642 becomes

$$\begin{array}{r}
 789 \\
 + 642 \\
 \hline
 1431 \\
 \hline
 1 \quad 1
 \end{array}$$

Answer: 1431

874 – 523 becomes

$$\begin{array}{r}
 874 \\
 - 523 \\
 \hline
 351
 \end{array}$$

Answer: 351

932 – 457 becomes

$$\begin{array}{r}
 \begin{array}{ccc} 8 & 12 & 1 \end{array} \\
 \begin{array}{r}
 \cancel{9} \cancel{3} 2 \\
 - 457 \\
 \hline
 475
 \end{array}
 \end{array}$$

Answer: 475

932 – 457 becomes

$$\begin{array}{r}
 \begin{array}{ccc} 1 & 1 & \end{array} \\
 \begin{array}{r}
 932 \\
 - \cancel{4} \cancel{5} 7 \\
 \hline
 \begin{array}{cc} 5 & 6 \end{array} \\
 475
 \end{array}
 \end{array}$$

Answer: 475

## Short multiplication

24 × 6 becomes

$$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \\ \hline 2 \end{array}$$

Answer: 144

342 × 7 becomes

$$\begin{array}{r} 342 \\ \times 7 \\ \hline 2394 \\ \hline 21 \end{array}$$

Answer: 2394

2741 × 6 becomes

$$\begin{array}{r} 2741 \\ \times 6 \\ \hline 16446 \\ \hline 42 \end{array}$$

Answer: 16 446

## Long multiplication

24 × 16 becomes

$$\begin{array}{r} 2 \\ 24 \\ \times 16 \\ \hline 240 \\ 144 \\ \hline 384 \end{array}$$

Answer: 384

124 × 26 becomes

$$\begin{array}{r} 12 \\ 124 \\ \times 26 \\ \hline 2480 \\ 744 \\ \hline 3224 \\ \hline 11 \end{array}$$

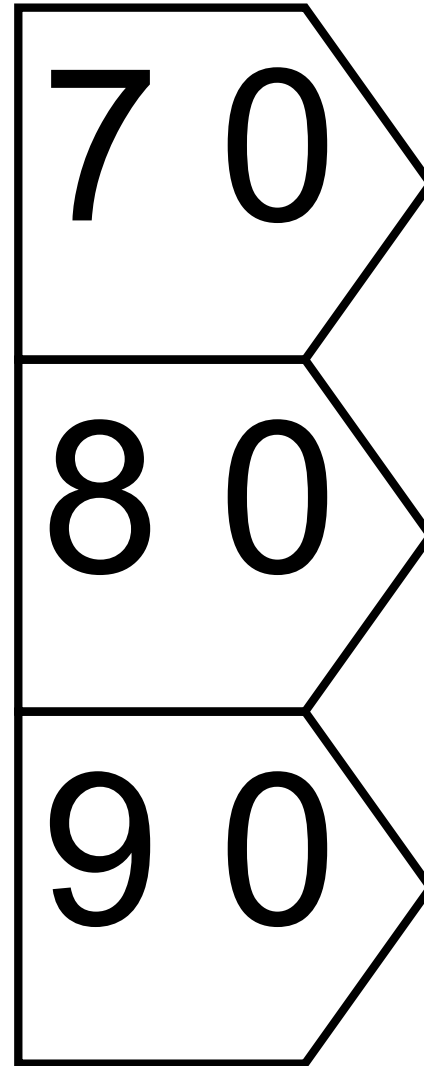
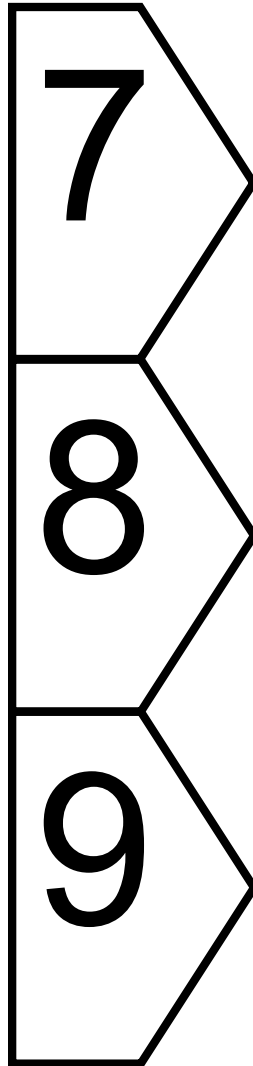
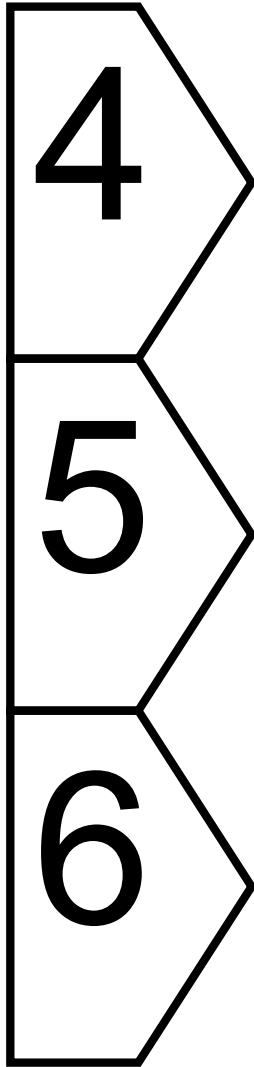
Answer: 3224

124 × 26 becomes

$$\begin{array}{r} 12 \\ 124 \\ \times 26 \\ \hline 744 \\ 2480 \\ \hline 3224 \\ \hline 11 \end{array}$$

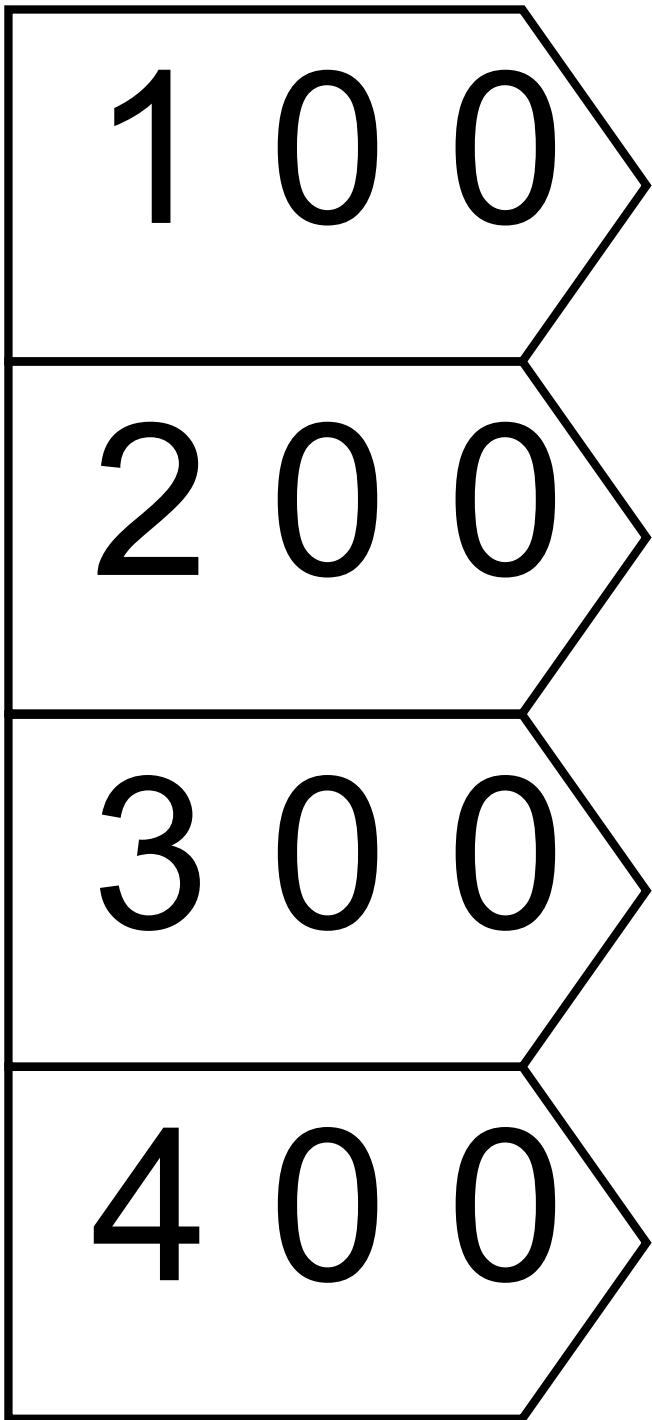
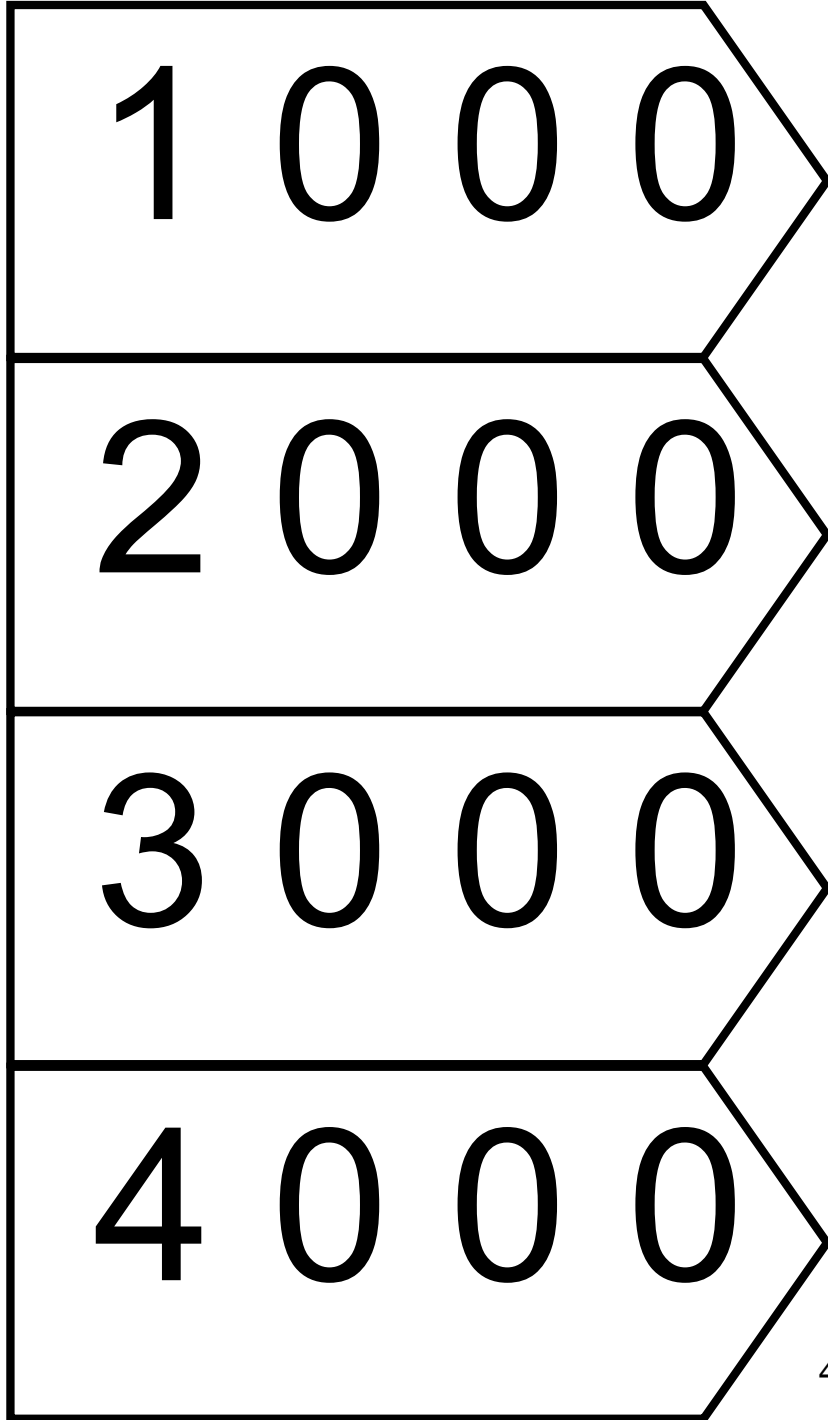
Answer: 3224

## Place Value Cards











5 0 0 0

6 0 0 0

7 0 0 0

8 0 0 0

5 0 0

6 0 0

7 0 0

8 0 0



