

Divide 4-digits by 1-digit Day 1

## Chinese chanting

One nine is nine

Two nine is eighteen

Three nine is twenty-seven

Four nine is thirty - six

Five nine is forty-five

Six nine is fifty- four

Seven nine is sixty-three

Eight nine is seventy- two

Nine nine is eighty-one

Nine ten is ninety

Nine eleven is ninety-nine

Nine twelve is one hundred and eight

Why don't we chant Four NINES (plural)?

It helps us with **Commutativity**  
What does commutative mean?

**Commutativity** is when 2 numbers can be added or multiplied & the same answer will be found no matter what order they are in.

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 $1 \times 7 = 7$ 

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 $2 \times 7 = 14$ 

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 $3 \times 7 = 21$ 

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 $4 \times 7 = 28$ 

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 $5 \times 7 = 35$ 

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 $6 \times 7 = 42$ 

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 $7 \times 7 = 49$ 

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 $8 \times 7 = 56$ 

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 $9 \times 7 = 63$ 

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 $10 \times 7 = 70$ 

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 $11 \times 7 = 77$ 

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 $12 \times 7 = 84$ 

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# Key vocabulary

Multiplication

Division

Digits

Multiples

Factors

Multiplicand

Multiplier

Product

Commutative

Product

Dividend

Divisor

Quotient

Share

# ÷ Division Calculation ÷

quotient

$$10 \div 2 = 5$$

dividend

divisor

Watch this video: Revision of Year 4 Short Division/Bus stop method (with counters)



<https://youtu.be/4EcMON3F1yE>

Now join in with Mrs Hickman in the next  
video revising short division:

$$64 \div 4 =$$

<https://youtu.be/ZZdGpQTaspc>

$$112 \div 8 =$$

$$459 \div 3 =$$



**Rosie wins £5,736 in a competition!**  
She decides to share it equally  
between 4 charities.  
How much money will each charity receive?







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$$\begin{array}{r} 1434 \\ 4 \overline{) 5736} \end{array}$$

Each charity will  
receive £1,434

$$5,370 \div 6$$

$$6,705 \div 9$$

# Independent Practice: Use Bus stop method

$$3495 \div 5$$

$$8064 \div 7$$

$$7428 \div 4$$

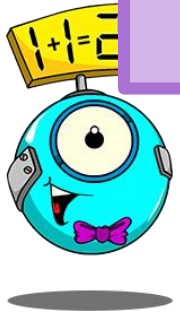
$$9198 \div 7$$

Copy out the Question and answer it:

Mr Porter has saved £8,934  
He shares it equally between his three grandchildren.  
How much do they each receive?



Label three calculations using the correct vocabulary.  
Dividend/divisor/quotient



## Challenge

What went wrong in this calculation?

TH	H	T	O
<div>1000 1000 1000</div> <div>1000 1000 1000</div>	<div>100 100 100</div> <div>100 100 100</div>	<div>10</div>	<div>1 1 1</div> <div>1</div>

	3	1	0	1
3	9	4	1	4

ANSWERS coming up . . .



Answers:

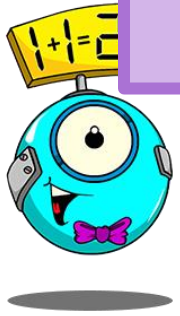
699

£2978 each

1152

1857

1314



## Challenge ANSWER

Explain and correct the working.

TH	H	T	O
<div>1000 1000 1000</div> <div>1000 1000 1000</div>	<div>100 100 100</div> <div>100 100 100</div>	<div>10</div>	<div>1 1 1</div> <div>1</div>

	3	1	0	1
3	9	4	1	4

There was no exchanging  
between columns within the  
calculation.

The final answer  
should have been 3,138