

## National Curriculum Objectives:

Mathematics Year 1: Add and subtract one-digit and two-digit numbers to 20, including zero. [More resources with this objective.](#)

Mathematics Year 2: Add and subtract numbers using concrete objects, pictorial representations, and mentally for two two-digit numbers. [More resources with this objective.](#)

Mathematics Year 2: Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. [More resources with this objective.](#)

Mathematics Year 3: Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. [More resources with this objective.](#)

Mathematics Year 4: Recall multiplication and division facts for multiplication tables up to  $12 \times 12$ . [More resources with this objective.](#)

Mathematics Year 4: Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. [More resources with this objective.](#)

Mathematics Year 5: Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. [More resources with this objective.](#)

## Differentiation:

**Beginner** Add and subtract 1 digit numbers. Answers equal 20 or under. Aimed at Year 1 Secure/Year 2 Emerging.

**Easy** Add and subtract 1 or 2 digit numbers. Answers equal 100 or under. Aimed at Year 2 Developing.

**Tricky** Add and subtract 1 or 2 digit numbers. Multiply within the 2, 5 and 10 times tables. Aimed at Year 2 Secure/Year 3 Emerging.

**Expert** Add and subtract 1, 2 or 3 digit numbers. Multiply within the 2, 5, 10, 3, 4 and 8 times tables. Aimed at Year 3 Secure/Year 4 Emerging.

**Brainbox** Add and subtract 1, 2, 3 or 4 digit numbers. Multiply and divide within the times tables. Aimed at Year 4 Secure/Year 5 Emerging.

**Genius** Add and subtract 1, 2, 3 or 4 digit numbers. Multiply and divide within the times tables with some larger calculations also. Aimed at Year 4 Mastery/Year 5 Developing.

Did you like this resource? Don't forget to review it [here](#).

# Snail Maths

$$5 + 1 \Rightarrow 6 + 2 \Rightarrow \square - 7 \Rightarrow \square + 3 \Rightarrow \square + 4 \Rightarrow \square + 4 \Rightarrow \square$$

$$\square + 0 \Rightarrow \square + 18 \Rightarrow \square - 19 \Rightarrow \square + 8 \Rightarrow \square - 4$$



$$2$$

$$+$$

$$\square$$



$$- 3$$

$$\square$$



$$7 - \square \leftarrow 7 - \square \leftarrow 3 + \square \leftarrow 9 - \square \leftarrow 7 + \square \leftarrow 5 + \square$$

$$9 \Rightarrow 4$$

$$-$$

$$\square$$



$$8 + \square \leftarrow 1 + \square \leftarrow 9 - \square \leftarrow 11 - \square$$

Can you get to the end of the snail's trail? The answer from the first number sentence becomes the first number in the second number sentence. Start at  $5 + 1 \Rightarrow 6$ . The first one has been done for you.



$$\square$$

$$+$$

$$13$$



$$\square$$

$$-$$

$$1$$



$$\square$$

$$-$$

$$5$$



$$\square$$

$$+$$

$$2$$



$$\square$$

# Snail Maths

$$5 + 1 \Rightarrow 6 + 2 \Rightarrow 8 - 7 \Rightarrow 1 + 3 \Rightarrow 4 + 4 \Rightarrow 8 + 4 \Rightarrow 12$$

$$2 + 0 \Rightarrow 2 + 18 \Rightarrow 20 - 19 \Rightarrow 1 + 8 \Rightarrow 9 - 4$$



$$2$$

$$+ 2$$



$$0 + 2$$

$$3 - 3$$



$$3$$

$$6 \Rightarrow 4$$

$$10 -$$



$$8 + 2$$

Can you get to the end of the snail's trail? The answer from the first number sentence becomes the first number in the second number sentence. Start at  $5 + 1 \Rightarrow 6$ . The first one has been done for you.



$$1 + 1$$



$$6 - 7$$



$$11 - 11$$



$$18 -$$



$$5 + 13$$

$$11 - 5$$

$$6 + 2$$

$$8$$



$$18$$



$$11 - 5$$



$$6 + 2$$

$$8$$

$$11 - 5$$



$$6 + 2$$

$$8$$

$$11 - 5$$



$$8$$

$$4 - 7$$



$$7 - 7$$

$$14 - 7$$



$$3 + 3$$



$$11 + 3$$



$$20 - 9$$



$$7 + 7$$

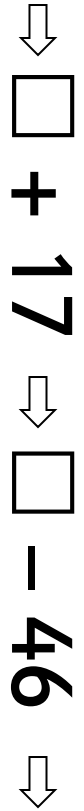


$$13 + 5$$

$$8$$

# Snail Maths

$$100 - 45 \Rightarrow 55 + 4 \Rightarrow \square - 11 \Rightarrow \square + 12 \Rightarrow \square + 9$$



$$\square + 4 \Rightarrow \square - 37 \Rightarrow \square - 19 \Rightarrow \square + 4 \Rightarrow \square + 12$$




Can you get to the end of the snail's trail?  
 The answer from the first number sentence becomes the first number in the second number sentence. Start at  $100 - 45 \Rightarrow 55$ .  
 The first one has been done for you.

$$88 + \square \leftarrow 3 - \square \leftarrow 59 - \square \leftarrow 7 +$$

$$\square - 9 + \square \leftarrow 12 + \square \leftarrow 79 + \square \leftarrow 5 - \square \leftarrow 32 - \square$$

# Snail Maths

$100 - 45 \Rightarrow 55 + 4 \Rightarrow 59 - 11 \Rightarrow 48 + 12 \Rightarrow 60 + 9 \Rightarrow 69 + 17 \Rightarrow 86 - 46 \Rightarrow 40$   
 $+ 4 \Rightarrow 95 - 37 \Rightarrow 58 - 19 \Rightarrow 39 + 4 \Rightarrow 43 + 12 \Rightarrow 55 + 7 \Rightarrow 62 - 59 \Rightarrow 3 - 3 \Rightarrow 0 + 88 \Rightarrow 88 + 0 \Rightarrow 88$   
 $91 \uparrow 9 \uparrow 100 - 9 \uparrow 100 \uparrow 9 + 6 \Rightarrow 94 \leftarrow 12 + 82 \leftarrow 79 + 3 \leftarrow 5 - 8 \leftarrow 32 - 40$



Can you get to the end of the snail's trail?  
 The answer from the first number sentence becomes the first number in the second number sentence. Start at  $100 - 45 \Rightarrow 55$ .  
 The first one has been done for you.

# Snail Maths

$$4 \times 5 \Rightarrow 20 - 3 \Rightarrow \square + 8 \Rightarrow \square - 19 \Rightarrow \square \times 2 \Rightarrow \square + 1$$



$$- 4$$



$$\times 10$$



$$+$$

$$\square + 4 \Rightarrow \square - 13 \Rightarrow \square \times 5 \Rightarrow \square - 15 \Rightarrow \square$$



$$+ 5$$



$$\times 5$$

16



3

Can you get to the end of the snail's trail?  
The answer from the first number sentence becomes the first number in the second number sentence. Start at  $4 \times 5 \Rightarrow 20$ . The first one has been done for you.

$$3 - \square \leftarrow 97 - \square \leftarrow 55 + \square \leftarrow 5$$

$$- 7$$



$$\times 5$$

$$\square \leftarrow 14 - \square \leftarrow 2 \times \square \leftarrow 13 - \square \leftarrow 78 - \square \leftarrow 9 +$$

## Snail Maths

$$4 \times 5 \Rightarrow 20 - 3 \Rightarrow 17 + 8 \Rightarrow 25 - 19 \Rightarrow 6 \times 2 \Rightarrow 12 + 1$$



$$13 - 4 \Rightarrow 9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$



$$9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$

$$9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$

$$9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$

$$9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$

$$9 \times 10 \Rightarrow 90 +$$

$$99 - 78 \Rightarrow 21 - 13 \Rightarrow 8 \times 2 \Rightarrow 16 - 14 \Rightarrow 2$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$15 + 4 \Rightarrow 19 - 13 \Rightarrow 6 \times 5 \Rightarrow 30 - 15 \Rightarrow 15$$

$$16$$



$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

Can you get to the end of the snail's trail?  
The answer from the first number sentence becomes the first number in the second number sentence. Start at  $4 \times 5 \Rightarrow 20$ . The first one has been done for you.

$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

$$16$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

$$15$$

# Snail Maths

$$4 \times 11 \Rightarrow 44 - 40 \Rightarrow \square \times 9 \Rightarrow \square + 150 \Rightarrow \square - 159$$

$$\square \times 8 \Rightarrow \square + 130 \Rightarrow \square - 47 \Rightarrow \square - 112$$



$$\square - 785$$



$$\square - 2$$

$$\square + 12 \Rightarrow 20$$



Can you get to the end of the snail's trail?  
The answer from the first number sentence becomes the first number in the second number sentence. Start at  $4 \times 11 \Rightarrow 44$ . The first one has been done for you.

$$\square - 28$$

$$\square + 734$$



$$\square + 15$$

$$\square \times 12$$



$$\square \times 7$$

$$\square - 98$$



$$\square - 18$$

$$\square \times 4$$

$$\square - 24$$

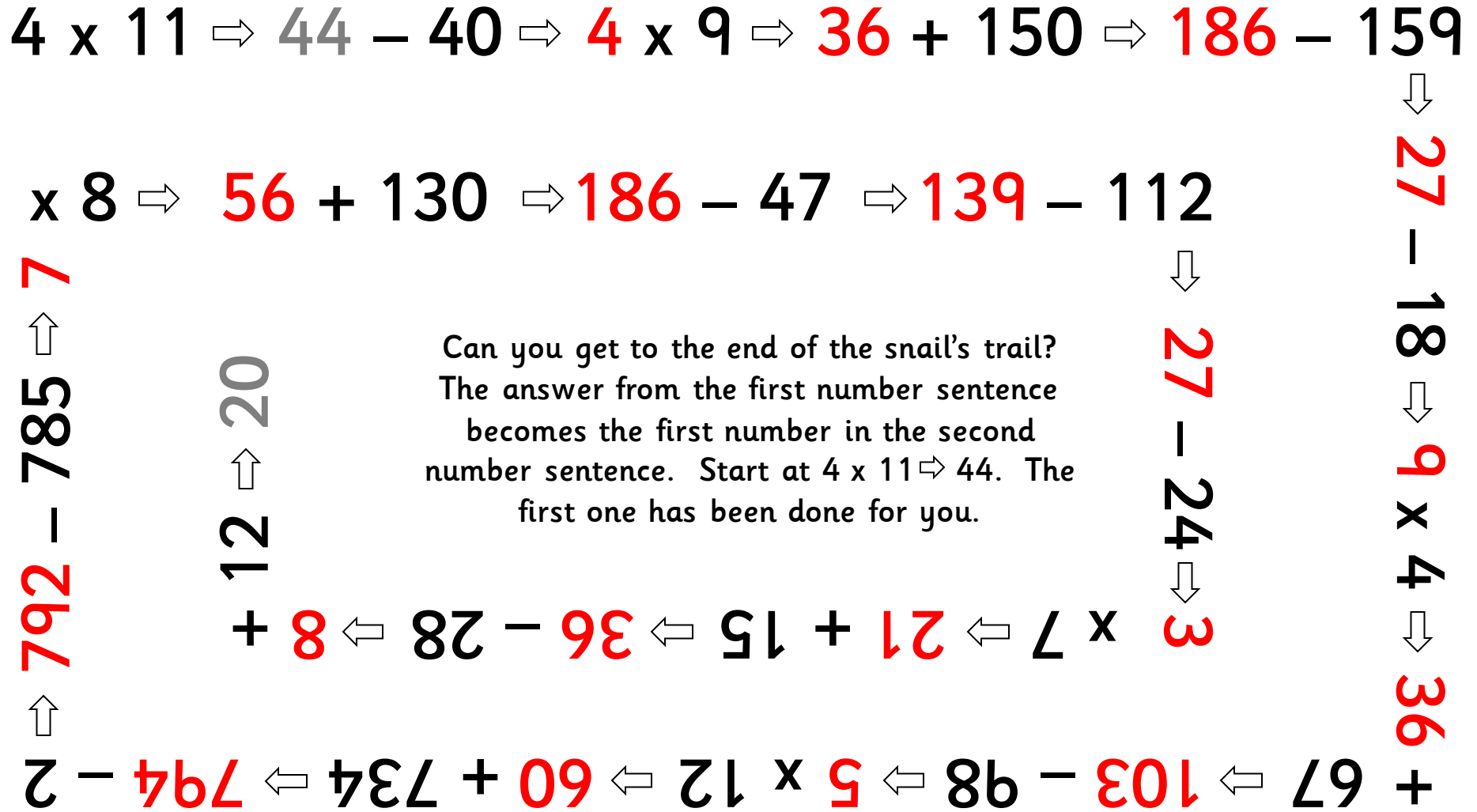
$$\square + 67$$

$$\square - 98$$

$$\square + 12$$



## Snail Maths



# Snail Maths

$3564 - 782 \Rightarrow 2782 - 2719 \Rightarrow \square \div 7 \Rightarrow \square \times 2 \Rightarrow \square \div 6 \Rightarrow \square \times 7 \Rightarrow \square + 3 \Rightarrow \square \div 2 \Rightarrow \square \div 3 \Rightarrow \square \times 8 \Rightarrow \square \div 6 \Rightarrow \square \times 8 \Rightarrow \square - 20 \Rightarrow \square \times 6$

$\square - 299$   
 $\square \div 9$

$\square \times 10$   
 $\square \div 3$

Can you get to the end of the snail's trail? The answer from the first number sentence becomes the first number in the second number sentence. Start at  $3564 - 782 \Rightarrow 2782$ . The first one has been done for you.

$\square - 20$   
 $\square \times 6$

$\square \div 6$   
 $\square \times 7$

$\square \div 2 \Rightarrow \square \div 3 \Rightarrow \square \times 8 \Rightarrow \square \div 6 \Rightarrow \square \times 8 \Rightarrow \square - 20 \Rightarrow \square \times 6$

$\square - 342$   
 $\square \div 9$

$\square \times 10$   
 $\square \div 3$

$\square - 20$   
 $\square \times 6$

$\square \div 6$   
 $\square \times 7$

## Snail Maths

$$3564 - 782 \Rightarrow 2782 - 2719 \Rightarrow 63 \div 7 \Rightarrow 9 \times 2 \Rightarrow 18$$

$$\div 9 \Rightarrow 9 \div 3 \Rightarrow 3 \times 8 \Rightarrow 24 \div 6 \Rightarrow 4 \times 8 \Rightarrow 32$$

$$380 - 299 \Rightarrow 81$$

$$\times 10 \Rightarrow 520$$

Can you get to the end of the snail's trail? The answer from the first number sentence becomes the first number in the second number sentence. Start at  $3564 - 782 \Rightarrow 2782$ . The first one has been done for you.

$$- 20 \Rightarrow 12 \times 6$$

$$72 \div 9 \Rightarrow 8 \times 6 \Rightarrow 48 + 4 \Rightarrow 52$$

$$\div 6 \Rightarrow 3 \times 7 \Rightarrow 21 + 3 \Rightarrow 24$$

$$\div 2 \Rightarrow 12 \div 3 \Rightarrow 4 \times 11 \Rightarrow 44 + 678 \Rightarrow 722 - 342$$

# Snail Maths

$$452 \div 2 \Rightarrow 226 - 118 \Rightarrow \square \div 9 \Rightarrow \square \times 4 \Rightarrow \square \div 6$$

$$\square \times 19 \Rightarrow \square \div 4 \Rightarrow \square + 788 \Rightarrow \square \div 2$$

$$\square$$



$$- 19$$

$$\square$$



$$8$$

$$\div \square$$



$$- 7 - \square$$



$$- 356 - \square$$



$$\times 3 \times \square$$



$$\div 5 \div \square$$

$$+ 9 \uparrow 173$$

$$+ \square \leftarrow$$

$$3 \div \square \leftarrow$$

$$9 \times \square \leftarrow$$

$$- 331$$

Can you get to the end of the snail's trail?  
The answer from the first number sentence  
becomes the first number in the second  
number sentence. Start at  $452 \div 2 \Rightarrow 226$ .  
The first one has been done for you.



$$\square$$

$$\times 7$$



$$\square$$

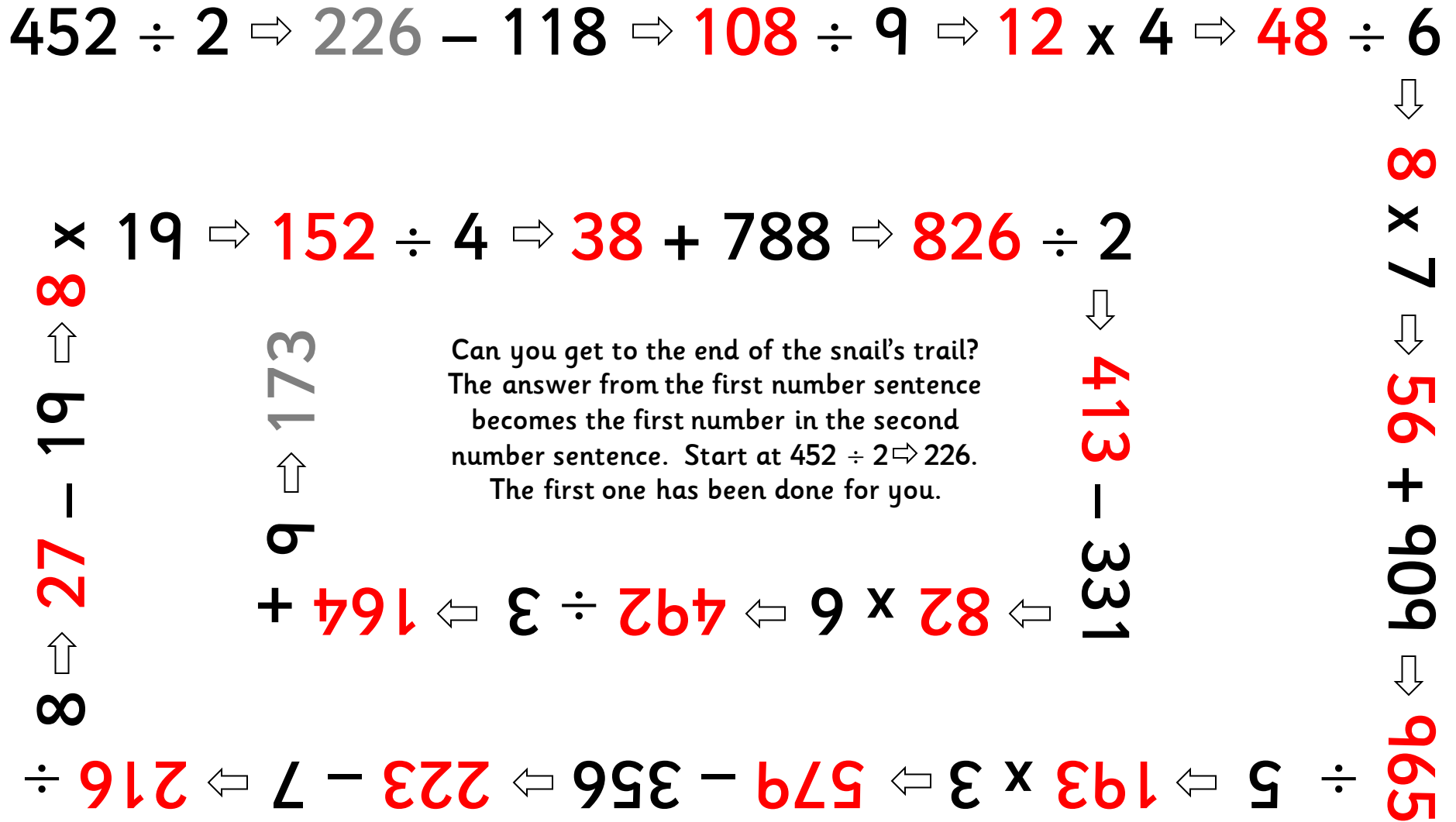
$$+ 909$$

$$\square$$



$$\square$$

# Snail Maths



Can you get to the end of the snail's trail?  
 The answer from the first number sentence  
 becomes the first number in the second  
 number sentence. Start at  $452 \div 2 \Rightarrow 226$ .  
 The first one has been done for you.