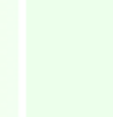


Dinosaurs	Pre-History	Romans	Saxons	Vikings
				
245 mya	BC	43	450	793

Times Tables - A Journey Through Time Multiplication Scheme Overview

Normans	Tudors	Stuarts	Georgians	Victorians	Today
					
1066	1485	1603	1734	1837	1939..

Welcome to
The Grove Primary School
times tables scheme,
A Journey Through Time.

This booklet will help you
understand each level that your
child will need to complete and let
you see what will be coming up
next!

We hope you enjoy the journey!

Contents

Click on the level you are on to skip straight to that page.

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Starter Stage: Pre-Dinosaurs



Permian Period

Starter stage: Pre-Dinosaurs

PERMIAN

1. Dimetrodon:

Counting up in 1s
(from zero to 24)

2. Calamite Trees:

Counting back in 1s
(from 24 to zero)

3. Pangaea:

Missing numbers in 1s
eg 3, 4, 5, __, 7, 8
or 8, 7, __, 5, 4, 3

Stage 1



Dinosaurs

Stage 1: Dinosaurs

TRIASSIC

Counting up

<u>In 10s</u>	<u>In 2s</u>	<u>In 5s</u>
0	0	0
10	2	5
20	4	10
30	6	15
40	8	20
50	10	25
60	12	30
70	14	35
80	16	40
90	18	45
100	20	50
110	22	55
120	24	60

Stage 1: Dinosaurs

1. Iguanodon:

Counting up in 10s

2. Ichthyosaurus:

Counting up in 2s

3. Ammonite:

Counting up in 5s

Stage 1: Dinosaurs

JURASSIC

Counting back

<u>In 10s</u>	<u>In 2s</u>	<u>In 5s</u>
120	24	60
110	22	55
100	20	50
90	18	45
80	16	40
70	14	35
60	12	30
50	10	25
40	8	20
30	6	15
20	4	10
10	2	5
0	0	0

Stage 1: Dinosaurs

4. Diplodocus:

Counting back in 10s

5. Brachiosaurus:

Counting back in 2s

6. Stegosaurus:

Counting back in 5s

Stage 1: Dinosaurs

7. Tyrannosaurus Rex:

Missing numbers 10s

8. Pterosaurs:

Missing numbers 2s

9. Triceratops:

Missing numbers 5s

10. Parasaurolophus:

Forward and back, in 1s.
Given to given number (0 to 100)

Stage 1: Dinosaurs

CRETACEOUS

Missing numbers
(forwards or back)

<u>In 10s</u>	<u>In 2s</u>	<u>In 5s</u>
0	0	0
10	2	5
20	4	10
30	6	15
40	8	20
50	10	25
60	12	30
70	14	35
80	16	40
90	18	45
100	20	50
110	22	55
120	24	60

Stage 1: Dinosaurs

CRETACEOUS

'Given to given' numbers

You will be asked to
count, in 1s, forwards or
backwards. You will be
given a starting number
and a finishing number
within 100.

eg count forward from
36 to 62

or

Count backwards from
92 to 75



Stage 2



Pre-History

Stage 2: Pre-History

Counting in 3s

<u>Forward</u>	<u>Back</u>	<u>Missing numbers</u>
0	36	0
3	33	?
6	30	6
9	27	9
12	24	12
15	21	?
18	18	18
21	15	21
24	12	?
27	9	?
30	6	30
33	3	33
36	0	36

Stage 2: Pre-History

1. K-T Extinction:

Counting up in 3s

2. Hypohippus:

Counting back in 3s

3. Lucy:

Missing numbers 3s
(forwards or backwards)

Stage 2: Pre-History

$0 \times 10 = 0$	$0 \times 2 = 0$	$0 \times 5 = 0$
$1 \times 10 = 10$	$1 \times 2 = 2$	$1 \times 5 = 5$
$2 \times 10 = 20$	$2 \times 2 = 4$	$2 \times 5 = 10$
$3 \times 10 = 30$	$3 \times 2 = 6$	$3 \times 5 = 15$
$4 \times 10 = 40$	$4 \times 2 = 8$	$4 \times 5 = 20$
$5 \times 10 = 50$	$5 \times 2 = 10$	$5 \times 5 = 25$
$6 \times 10 = 60$	$6 \times 2 = 12$	$6 \times 5 = 30$
$7 \times 10 = 70$	$7 \times 2 = 14$	$7 \times 5 = 35$
$8 \times 10 = 80$	$8 \times 2 = 16$	$8 \times 5 = 40$
$9 \times 10 = 90$	$9 \times 2 = 18$	$9 \times 5 = 45$
$10 \times 10 = 100$	$10 \times 2 = 20$	$10 \times 5 = 50$
$11 \times 10 = 110$	$11 \times 2 = 22$	$11 \times 5 = 55$
$12 \times 10 = 120$	$12 \times 2 = 24$	$12 \times 5 = 60$

Stage 2: Pre-History

4. Smilodon:

10 x table in order

5. Dire Wolf:

2 x table in order

6. Neanderthals:

5 x table in order

7. Woolly Mammoth:

10 x table, random

8. Ice Age:

2 x table, random

9. New Stone Age:

5 x table, random

10. Bronze Age:

10, 2, 5 x table mixed, random order.

11. Stonehenge:

10, 2, 5 x table mixed, random order, different formats.

Stage 3



Romans

Stage 3: Romans

$$10 \div 10 = 1$$

$$2 \div 2 = 1$$

$$5 \div 5 = 1$$

$$20 \div 10 = 2$$

$$4 \div 2 = 2$$

$$10 \div 5 = 2$$

$$30 \div 10 = 3$$

$$6 \div 2 = 3$$

$$15 \div 5 = 3$$

$$40 \div 10 = 4$$

$$8 \div 2 = 4$$

$$20 \div 5 = 4$$

$$50 \div 10 = 5$$

$$10 \div 2 = 5$$

$$25 \div 5 = 5$$

$$60 \div 10 = 6$$

$$12 \div 2 = 6$$

$$30 \div 5 = 6$$

$$70 \div 10 = 7$$

$$14 \div 2 = 7$$

$$35 \div 5 = 7$$

$$80 \div 10 = 8$$

$$16 \div 2 = 8$$

$$40 \div 5 = 8$$

$$90 \div 10 = 9$$

$$18 \div 2 = 9$$

$$45 \div 5 = 9$$

$$100 \div 10 = 10$$

$$20 \div 2 = 10$$

$$50 \div 5 = 10$$

$$110 \div 10 = 11$$

$$22 \div 2 = 11$$

$$55 \div 5 = 11$$

$$120 \div 10 = 12$$

$$24 \div 2 = 12$$

$$60 \div 5 = 12$$

Stage 3: Romans

1. Julius Caesar:

10 x division, random order

2. Roman Empire (UK):

2 x division, random order

3. London:

5 x division, random order

4. Boudicca:

10, 2, 5 x random, mixed division

5. Hadrian:

10, 2, 5 x mixed division and multiplication



Stage 4



Anglo-Saxons

Stage 4: Anglo-Saxons

$0 \times 3 = 0$	$0 \times 4 = 0$	$0 \times 8 = 0$
$1 \times 3 = 3$	$1 \times 4 = 4$	$1 \times 8 = 8$
$2 \times 3 = 6$	$2 \times 4 = 8$	$2 \times 8 = 16$
$3 \times 3 = 9$	$3 \times 4 = 12$	$3 \times 8 = 24$
$4 \times 3 = 12$	$4 \times 4 = 16$	$4 \times 8 = 32$
$5 \times 3 = 15$	$5 \times 4 = 20$	$5 \times 8 = 40$
$6 \times 3 = 18$	$6 \times 4 = 24$	$6 \times 8 = 48$
$7 \times 3 = 21$	$7 \times 4 = 28$	$7 \times 8 = 56$
$8 \times 3 = 24$	$8 \times 4 = 32$	$8 \times 8 = 64$
$9 \times 3 = 27$	$9 \times 4 = 36$	$9 \times 8 = 72$
$10 \times 3 = 30$	$10 \times 4 = 40$	$10 \times 8 = 80$
$11 \times 3 = 33$	$11 \times 4 = 44$	$11 \times 8 = 88$
$12 \times 3 = 36$	$12 \times 4 = 48$	$12 \times 8 = 96$

Stage 4: Anglo-Saxons

1. Jutes:

3 x table in order

2. Angles:

4 x table in order

3. Saxons:

8 x table in order

4. Hengist:

3 x table, random

5. Æthelberht:

4 x table, random

6. St Augustine:

8 x table, random

7. Sutton Hoo:

3, 4, 8 x table mixed, random order

8. Beowulf:

3, 4, 8 x table mixed, random order, alternative formats

9. King Offa:

3, 4, 8, 2, 5, 10 x table mixed, random order



Stage 5



Vikings

Stage 5: Vikings

$$3 \div 3 = 1$$

$$4 \div 4 = 1$$

$$8 \div 8 = 1$$

$$6 \div 3 = 2$$

$$8 \div 4 = 2$$

$$15 \div 8 = 2$$

$$9 \div 3 = 3$$

$$12 \div 4 = 3$$

$$24 \div 8 = 3$$

$$12 \div 3 = 4$$

$$16 \div 4 = 4$$

$$32 \div 8 = 4$$

$$15 \div 3 = 5$$

$$20 \div 4 = 5$$

$$40 \div 8 = 5$$

$$18 \div 3 = 6$$

$$24 \div 4 = 6$$

$$48 \div 8 = 6$$

$$21 \div 3 = 7$$

$$28 \div 4 = 7$$

$$56 \div 8 = 7$$

$$24 \div 3 = 8$$

$$32 \div 4 = 8$$

$$64 \div 8 = 8$$

$$27 \div 3 = 9$$

$$36 \div 4 = 9$$

$$72 \div 8 = 9$$

$$30 \div 3 = 10$$

$$40 \div 4 = 10$$

$$80 \div 8 = 10$$

$$33 \div 3 = 11$$

$$44 \div 4 = 11$$

$$88 \div 8 = 11$$

$$36 \div 3 = 12$$

$$48 \div 4 = 12$$

$$96 \div 8 = 12$$

Stage 5: Vikings

1. Invasion:

3 x division, random order

2. Lindisfarne Longship:

4 x division, random order

3. King Alfred:

8 x division, random order

4. Eric Bloodaxe:

3, 4, 8 x random, mixed division

5. King Cnut:

3, 4, 8, 2, 5, 10 x mixed division and multiplication



Stage 6



Normans and Plantagenets

Stage 6: Normans and Plantagenets

$0 \times 9 = 0$	$0 \times 6 = 0$	$0 \times 7 = 0$
$1 \times 9 = 9$	$1 \times 6 = 6$	$1 \times 7 = 7$
$2 \times 9 = 18$	$2 \times 6 = 12$	$2 \times 7 = 14$
$3 \times 9 = 27$	$3 \times 6 = 18$	$3 \times 7 = 21$
$4 \times 9 = 36$	$4 \times 6 = 24$	$4 \times 7 = 28$
$5 \times 9 = 45$	$5 \times 6 = 30$	$5 \times 7 = 35$
$6 \times 9 = 54$	$6 \times 6 = 36$	$6 \times 7 = 42$
$7 \times 9 = 63$	$7 \times 6 = 42$	$7 \times 7 = 49$
$8 \times 9 = 72$	$8 \times 6 = 48$	$8 \times 7 = 56$
$9 \times 9 = 81$	$9 \times 6 = 54$	$9 \times 7 = 63$
$10 \times 9 = 90$	$10 \times 6 = 60$	$10 \times 7 = 70$
$11 \times 9 = 99$	$11 \times 6 = 66$	$11 \times 7 = 77$
$12 \times 9 = 108$	$12 \times 6 = 72$	$12 \times 7 = 84$

Stage 6: Normans and Plantagenets

1. Battle of Hastings:

9 x table in order

2. Domesday Book:

6 x table in order

3. Magna Carta:

7 x table in order

4. King Edward:

9 x table, random

5. William Wallace:

6 x table, random

6. Robert Bruce:

7 x table, random

7. Hundred Years War:

9, 6, 7 x table random, mixed

8. Black Death:

9, 6, 7 x table mixed, random order and vocabulary

9. Battle of Agincourt:

2 up to 10 x table random, mixed

10. War of the Roses:

2 up to 10 x table mixed, random order and vocabulary



Stage 7



Tudors

Stage 7 Tudors

$9 \div 9 = 1$	$6 \div 6 = 1$	$7 \div 7 = 1$
$18 \div 9 = 2$	$12 \div 6 = 2$	$14 \div 7 = 2$
$27 \div 9 = 3$	$18 \div 6 = 3$	$21 \div 7 = 3$
$36 \div 9 = 4$	$24 \div 6 = 4$	$28 \div 7 = 4$
$45 \div 9 = 5$	$30 \div 6 = 5$	$35 \div 7 = 5$
$54 \div 9 = 6$	$36 \div 6 = 6$	$42 \div 7 = 6$
$63 \div 9 = 7$	$42 \div 6 = 7$	$49 \div 7 = 7$
$72 \div 9 = 8$	$48 \div 6 = 8$	$56 \div 7 = 8$
$81 \div 9 = 9$	$54 \div 6 = 9$	$63 \div 7 = 9$
$90 \div 9 = 10$	$60 \div 6 = 10$	$70 \div 7 = 10$
$99 \div 9 = 11$	$66 \div 6 = 11$	$77 \div 7 = 11$
$108 \div 9 = 12$	$72 \div 6 = 12$	$84 \div 7 = 12$

Stage 7 Tudors

1. Battle of Bosworth:

9 x division, random order

2. John Cabot:

6 x division, random order

3. Henry VIII:

7 x division, random order

4. Elizabeth I:

9, 6, 7 x random, mixed division

5. Francis Drake:

2 up to 10 x mixed division

6. Spanish Armada:

2 up to 10 x mixed
division and multiplication



Stage 8



Stuarts

Stage 8 Stuarts

$$0 \times 11 = 0$$

$$1 \times 11 = 11$$

$$2 \times 11 = 22$$

$$3 \times 11 = 33$$

$$4 \times 11 = 44$$

$$5 \times 11 = 55$$

$$6 \times 11 = 66$$

$$7 \times 11 = 77$$

$$8 \times 11 = 88$$

$$9 \times 11 = 99$$

$$10 \times 11 = 110$$

$$11 \times 11 = 121$$

$$12 \times 11 = 132$$

$$0 \times 12 = 0$$

$$1 \times 12 = 12$$

$$2 \times 12 = 24$$

$$3 \times 12 = 36$$

$$4 \times 12 = 48$$

$$5 \times 12 = 60$$

$$6 \times 12 = 72$$

$$7 \times 12 = 84$$

$$8 \times 12 = 96$$

$$9 \times 12 = 108$$

$$10 \times 12 = 120$$

$$11 \times 12 = 132$$

$$12 \times 12 = 144$$

Stage 8 Stuarts

$$11 \div 11 = 1$$

$$22 \div 11 = 2$$

$$33 \div 11 = 3$$

$$44 \div 11 = 4$$

$$55 \div 11 = 5$$

$$66 \div 11 = 6$$

$$77 \div 11 = 7$$

$$88 \div 11 = 8$$

$$99 \div 11 = 9$$

$$110 \div 11 = 10$$

$$121 \div 11 = 11$$

$$132 \div 11 = 12$$

$$12 \div 12 = 1$$

$$24 \div 12 = 2$$

$$36 \div 12 = 3$$

$$48 \div 12 = 4$$

$$60 \div 12 = 5$$

$$72 \div 12 = 6$$

$$84 \div 12 = 7$$

$$96 \div 12 = 8$$

$$108 \div 12 = 9$$

$$120 \div 12 = 10$$

$$132 \div 12 = 11$$

$$144 \div 12 = 12$$

Stage 8 Stuarts

1. Guy Fawkes:

11 x table in order

2. Union Flag:

12 x table in order

3. Cromwell:

11 x table random, mixed

4. Beheading of Charles I:

12 x table random, mixed

5. Samuel Pepys:

11, 12 x division, mixed

6. Great Plague:

2 up to 12 x mixed division

7. Great Fire of London:

2 up to 12 x division and multiplication mixed

8. Bank of England:

All times tables mixed grid (3 times)

Stage 9



Georgians

Stage 9: Georgians

Blackbeard

Multiples of 10, 100 (in a grid)

	20	300	70
6	120	1800	420
5	100	1500	350
2	40	600	140

Trafalgar

Multiples of 10, 100, 1000 (in a grid)

	50	300	4000
40	2000	12000	160000
20	1000	6000	80000
600	30000	180000	2400000

Slavery/Rocket/Robert Peel

Multiplying decimals (in a grid)

	2	6	8
0.3	0.6	1.8	2.4
0.6	1.2	3.6	4.8
0.2	0.4	1.2	1.6

Stage 9: Georgians

1. Blackbeard:

Grid 5: Multiples of 10, 100

2. Trafalgar:

Grid 6: Multiples of 10, 100, 1000

3. Slavery:

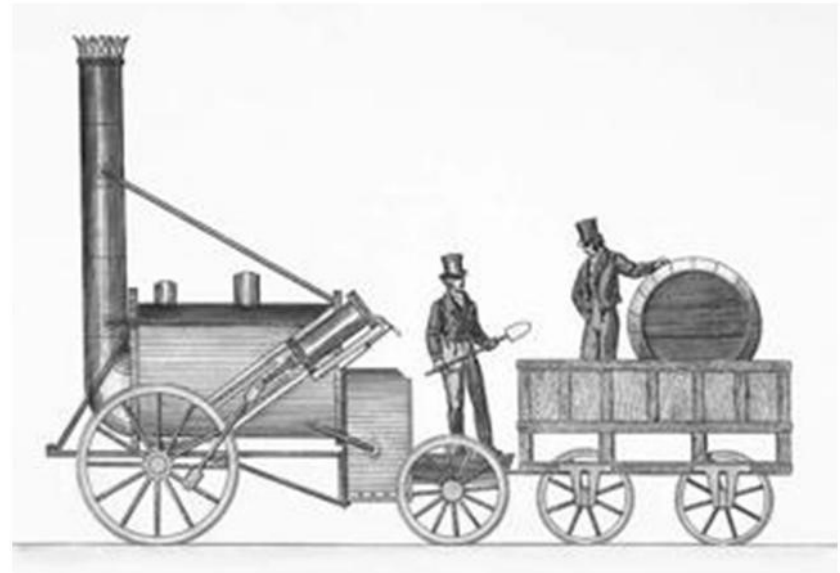
Grid 7: Multiplying decimals

4. George Stephenson's Rocket:

Grid 8: Multiplying decimals

5. Robert Peel:

Grid 9: Multiplying decimals



Stage 10



Victorians

Stage 10: Victorians

Queen Victoria/Penny Black

Unit fractions 1 and 2

$$\text{eg } \frac{1}{2} \text{ of } 64 = 32$$

$$\frac{1}{3} \text{ of } 30 = 10$$

Darwin/Chimney Sweep

Non-unit fractions 3 and 4

$$\text{eg } \frac{2}{5} \text{ of } 30 = 12$$

$$\frac{7}{8} \text{ of } 16 = 14$$

Stage 10: Victorians

1. Queen Victoria

Unit fractions (1)

2. Penny Black

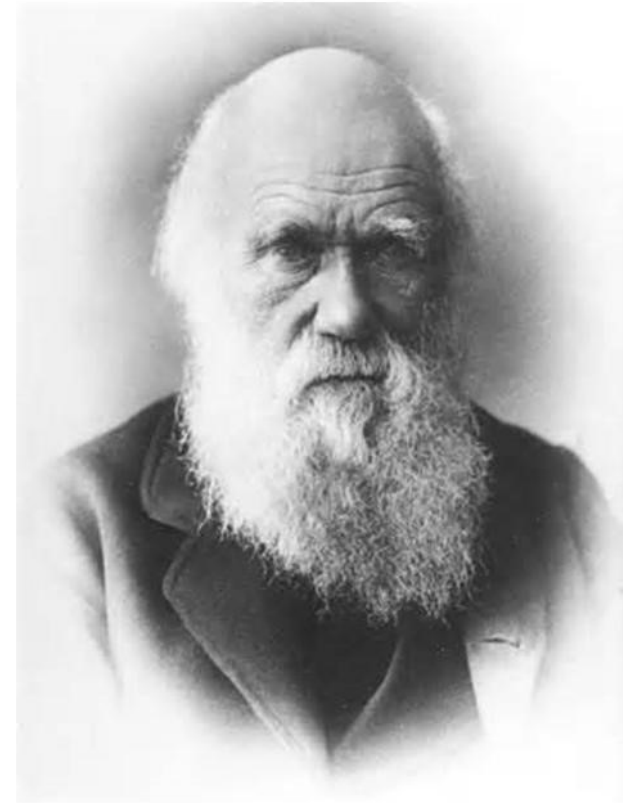
Unit fractions (2)

3. Darwin

Non-unit fractions (3)

4. Chimney Sweep

Non-unit fractions (4)



Stage 11



Modern Britain

Stage 11: Modern Britain

Titanic

Percentages stage 1:

eg $25\% \text{ of } 64 = 16$
 $50\% \text{ of } 82 = 41$
 $75\% \text{ of } 80 = 60$

WW1

Percentages stage 2:

eg $10\% \text{ of } 60 = 6$
 $30\% \text{ of } 80 = 24$
 $80\% \text{ of } 80 = 64$

Suffragettes/WW2

Mixed (Stage 1 and 2)
fraction/decimal/percentage:

eg $\frac{7}{8} \text{ of } 16 = 14$
 $0.6 \times 8 = 4.8$
 $60\% \text{ of } 210 = 126$

Concorde

Missing number
multiplication:

eg $12 \times \underline{\quad} = 84$
 $\underline{\quad} \times 3 = 27$
 $64 = \underline{\quad} \times 8$

Man on the Moon

Missing number
division:

eg $88 \div \underline{\quad} = 11$
 $\underline{\quad} \div 6 = 5$
 $9 = \underline{\quad} \div 4$

WWW

Missing number mixed
multiplication and division

eg $5 \times \underline{\quad} = 30$
 $30 \div \underline{\quad} = 6$
 $12 \div 2 = \underline{\quad}$

Stage 11 Modern Britain

1. Titanic:

Percentages 1

2. World War 1:

Percentages 2

3. Suffragettes:

Mixed fraction, decimal, percentage (1)

4. World War 2:

Mixed fraction, decimal, percentage (2)

5. Concorde:

Missing number multiplication

6. Man on the Moon:

Missing number division

5. World Wide Web:

Missing number mixed multiplication and division

