

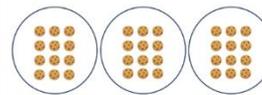
Focus 1	Focus 2	Focus 3	Focus 4	Focus 5	Focus 6
11 & 12 Times tables	7 Times table	9 Times table	Consolidation KIRFs (Times tables)	Multiply & divide integers by 10 & 100	Convert decimals to fractions



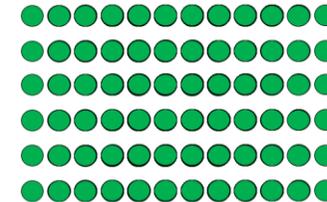
Learn these facts off by heart

$1 \times 11 = 11$	$1 \times 12 = 12$
$2 \times 11 = 22$	$2 \times 12 = 24$
$3 \times 11 = 33$	$3 \times 12 = 36$
$4 \times 11 = 44$	$4 \times 12 = 48$
$5 \times 11 = 55$	$5 \times 12 = 60$
$6 \times 11 = 66$	$6 \times 12 = 72$
$7 \times 11 = 77$	$7 \times 12 = 84$
$8 \times 11 = 88$	$8 \times 12 = 96$
$9 \times 11 = 99$	$9 \times 12 = 108$
$10 \times 11 = 110$	$10 \times 12 = 120$
$11 \times 11 = 121$	$11 \times 12 = 132$
$12 \times 11 = 132$	$12 \times 12 = 144$

What does this look like?



Concrete Representation



Pictorial Representation

12 multiplied by 3 = 36
 $12 \times 3 = 36$ & $3 \times 12 = 36$
 36 divided by 12 = 3
 $36 \div 12 = 3$

Abstract Representation

What to do at home

Chanting: Say the times table facts out loud, 1 times 12 is 12, 2 times 12 is 24 etc.

Double Trouble! One child calls a number from 1-12. Others race to shout the answer to 12x or 11x that number. Make it competitive or play in teams.

Websites: Times Tables Rock Stars and Timestables.co.uk

Key Vocabulary

Multiply: Adding equal groups a certain number of times, e.g. $12 \times 3 = 12 + 12 + 12 = 36$. Can also be referred to as **groups of** or **lots of**.

Divide, Sharing or grouping numbers/objects into equal groups, e.g. $48 \div 4 = 12$

What is 12 **multiplied** by 9?

What is 12 **lots of** 2?

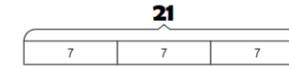
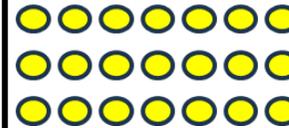
What is 120 **divided** by 10?



Learn these facts off by heart

1 × 7 = 7	7 ÷ 7 = 1
2 × 7 = 14	14 ÷ 7 = 2
3 × 7 = 21	21 ÷ 7 = 3
4 × 7 = 28	28 ÷ 7 = 4
5 × 7 = 35	35 ÷ 7 = 5
6 × 7 = 42	42 ÷ 7 = 6
7 × 7 = 49	49 ÷ 7 = 7
8 × 7 = 56	56 ÷ 7 = 8
9 × 7 = 63	63 ÷ 7 = 9
10 × 7 = 70	70 ÷ 7 = 10
11 × 7 = 77	77 ÷ 7 = 11
12 × 7 = 84	84 ÷ 7 = 12

What does this look like?



1 × 7 = 7	7 + 7 = 14
2 × 7 = 14	14 ÷ 7 = 2
3 × 7 = 21	21 + 7 = 28
4 × 7 = 28	28 + 7 = 35
5 × 7 = 35	35 + 7 = 42
6 × 7 = 42	42 + 7 = 49
7 × 7 = 49	49 + 7 = 56
8 × 7 = 56	56 + 7 = 63
9 × 7 = 63	63 ÷ 7 = 9
10 × 7 = 70	70 + 7 = 77
11 × 7 = 77	77 + 7 = 84
12 × 7 = 84	84 ÷ 7 = 12

Concrete
Representation

Pictorial
Representation

Abstract
Representation

What to do at home

Chanting: Say the times table facts out loud, 1 times 7 is 7, 2 times 7 is 14 etc.

Double Trouble! One child calls a number from 1-12. Others race to shout the answer to 7x that number. Make it competitive or play in teams.

Websites: Times Tables Rock Stars and Timestables.co.uk

Key Vocabulary

7 **multiplied** by 3 is **equal to** 21

7 **times** 6 and 6 **times** 7 are **equivalent**

42 **shared by** 7 is **equal to** 6

77 **divided by** 11 **equals** 11

What is 7 **multiplied by** 5?

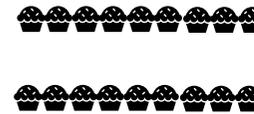
What is 63 **divided by** 7?



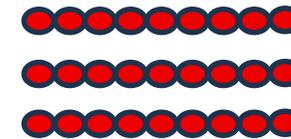
Learn these facts off by heart

$1 \times 9 = 9$	$9 \div 9 = 1$
$2 \times 9 = 18$	$18 \div 9 = 2$
$3 \times 9 = 27$	$27 \div 9 = 3$
$4 \times 9 = 36$	$36 \div 9 = 4$
$5 \times 9 = 45$	$45 \div 9 = 5$
$6 \times 9 = 54$	$54 \div 9 = 6$
$7 \times 9 = 63$	$63 \div 9 = 7$
$8 \times 9 = 72$	$72 \div 9 = 8$
$9 \times 9 = 81$	$81 \div 9 = 9$
$10 \times 9 = 90$	$90 \div 9 = 10$
$11 \times 9 = 99$	$99 \div 9 = 11$
$12 \times 9 = 108$	$108 \div 9 = 12$

What does this look like?



Concrete Representation



Pictorial Representation

$9 \times 1 = 9$	$9 + 9 = 18$
$9 \times 2 = 18$	$18 + 9 = 27$
$9 \times 3 = 27$	$27 + 9 = 36$
$9 \times 4 = 36$	$36 + 9 = 45$
$9 \times 5 = 45$	$45 + 9 = 54$
$9 \times 6 = 54$	$54 + 9 = 63$
$9 \times 7 = 63$	$63 + 9 = 72$
$9 \times 8 = 72$	$72 + 9 = 81$
$9 \times 9 = 81$	$81 + 9 = 90$
$9 \times 10 = 90$	$90 + 9 = 99$
$9 \times 11 = 99$	$99 + 9 = 108$
$9 \times 12 = 108$	$108 + 9 = 117$

Abstract Representation

What to do at home

Chanting: Say the times table facts out loud, 1 times 9 is 9, 2 times 9 is 18 etc.

Fingers!

1 $9 \times 3 = ?$

Place your hands side by side with palms facing you and imagine that the fingers are numbered from 1 to 10 and from left to right.

2 $9 \times 3 = 27$

Bend the finger corresponding to the number multiplied by 9. Count the number of fingers on the left, then the number of fingers on the right.

Websites: Times Tables Rock Stars and Timestables.co.uk

Key Vocabulary

9 multiplied by 4 is equal to 36

2 times 9 and 9 times 2 are equivalent

99 shared by 9 is equal to 11

72 divided by 9 equals 8

What is 9 multiplied by 7?

What is 54 divided by 9?



Learn these facts off by heart

ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
1 x 1 = 1	2 x 1 = 2	3 x 1 = 3	4 x 1 = 4	5 x 1 = 5	6 x 1 = 6	7 x 1 = 7	8 x 1 = 8	9 x 1 = 9	10 x 1 = 10	11 x 1 = 11	12 x 1 = 12
1 x 2 = 2	2 x 2 = 4	3 x 2 = 6	4 x 2 = 8	5 x 2 = 10	6 x 2 = 12	7 x 2 = 14	8 x 2 = 16	9 x 2 = 18	10 x 2 = 20	11 x 2 = 22	12 x 2 = 24
1 x 3 = 3	2 x 3 = 6	3 x 3 = 9	4 x 3 = 12	5 x 3 = 15	6 x 3 = 18	7 x 3 = 21	8 x 3 = 24	9 x 3 = 27	10 x 3 = 30	11 x 3 = 33	12 x 3 = 36
1 x 4 = 4	2 x 4 = 8	3 x 4 = 12	4 x 4 = 16	5 x 4 = 20	6 x 4 = 24	7 x 4 = 28	8 x 4 = 32	9 x 4 = 36	10 x 4 = 40	11 x 4 = 44	12 x 4 = 48
1 x 5 = 5	2 x 5 = 10	3 x 5 = 15	4 x 5 = 20	5 x 5 = 25	6 x 5 = 30	7 x 5 = 35	8 x 5 = 40	9 x 5 = 45	10 x 5 = 50	11 x 5 = 55	12 x 5 = 60
1 x 6 = 6	2 x 6 = 12	3 x 6 = 18	4 x 6 = 24	5 x 6 = 30	6 x 6 = 36	7 x 6 = 42	8 x 6 = 48	9 x 6 = 54	10 x 6 = 60	11 x 6 = 66	12 x 6 = 72
1 x 7 = 7	2 x 7 = 14	3 x 7 = 21	4 x 7 = 28	5 x 7 = 35	6 x 7 = 42	7 x 7 = 49	8 x 7 = 56	9 x 7 = 63	10 x 7 = 70	11 x 7 = 77	12 x 7 = 84
1 x 8 = 8	2 x 8 = 16	3 x 8 = 24	4 x 8 = 32	5 x 8 = 40	6 x 8 = 48	7 x 8 = 56	8 x 8 = 64	9 x 8 = 72	10 x 8 = 80	11 x 8 = 88	12 x 8 = 96
1 x 9 = 9	2 x 9 = 18	3 x 9 = 27	4 x 9 = 36	5 x 9 = 45	6 x 9 = 54	7 x 9 = 63	8 x 9 = 72	9 x 9 = 81	10 x 9 = 90	11 x 9 = 99	12 x 9 = 108
1 x 10 = 10	2 x 10 = 20	3 x 10 = 30	4 x 10 = 40	5 x 10 = 50	6 x 10 = 60	7 x 10 = 70	8 x 10 = 80	9 x 10 = 90	10 x 10 = 100	11 x 10 = 110	12 x 10 = 120
1 x 11 = 11	2 x 11 = 22	3 x 11 = 33	4 x 11 = 44	5 x 11 = 55	6 x 11 = 66	7 x 11 = 77	8 x 11 = 88	9 x 11 = 99	10 x 11 = 110	11 x 11 = 121	12 x 11 = 132
1 x 12 = 12	2 x 12 = 24	3 x 12 = 36	4 x 12 = 48	5 x 12 = 60	6 x 12 = 72	7 x 12 = 84	8 x 12 = 96	9 x 12 = 108	10 x 12 = 120	11 x 12 = 132	12 x 12 = 144

What to do at home

Chanting: Say the times table facts out loud.

Bingo: The child fills out a bingo grid with the answers to times tables. Provide them with the multiplication such as 6×3 and if the answer is on their sheet then they cross it off.

Websites: Times Tables Rock Stars
and Timestables.co.uk

B	I	N	G	O
16	56	64	80	88
40	96	56	24	80
48	96	32	72	48
64	8	88	64	72
72	56	40	96	32

Key Vocabulary

9 multiplied by 4 is equal to 36

6 times 5 and 5 times 6 are equivalent

99 shared by 9 is equal to 11

72 divided by 8 equals 9

What is 5 multiplied by 7?

What is 66 divided by 11?



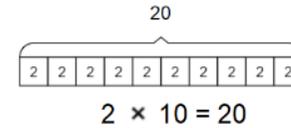
Learn these facts off by heart

$1 \times 10 = 10$	$10 \div 10 = 1$
$2 \times 10 = 20$	$20 \div 10 = 2$
$3 \times 10 = 30$	$30 \div 10 = 3$
$4 \times 10 = 40$	$40 \div 10 = 4$
$5 \times 10 = 50$	$50 \div 10 = 5$
$6 \times 10 = 60$	$60 \div 10 = 6$
$7 \times 10 = 70$	$70 \div 10 = 7$
$8 \times 10 = 80$	$80 \div 10 = 8$
$9 \times 10 = 90$	$90 \div 10 = 9$
$10 \times 10 = 100$	$100 \div 10 = 10$
$11 \times 10 = 110$	$110 \div 10 = 11$
$12 \times 10 = 120$	$120 \div 10 = 12$

What does this look like?



Concrete Representation



Pictorial Representation

$600 \times ? = 6000$
 $820 \div ? = 82$
 $43 \times ? = 4300$

Abstract Representation

What to do at home

Dice Game: You'll need: Two dice (or use an online dice roller)
 How to play:

- Roll two dice to create a two-digit number (e.g., 4 and 6 = 46).
- Take turns multiplying the number by 10 or 100.
 E.g. "46 x 100 = 4600".

Key Vocabulary

7 **multiplied by** 100 is **equal to** 700

120 **shared by** 10 is **equal to** 12

500 **divided by** 100 **equals** 5

When multiplying by 10, numbers move one column to the left in a place value chart. When multiplying by 100, they move two places. For division, we do the opposite.

H	T	O
	3	7
3	7	0



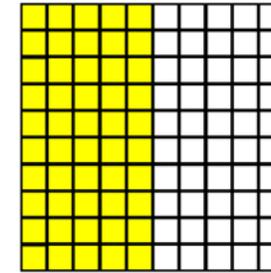
Learn these facts off by heart

75%	$\frac{3}{4}$	$\frac{75}{100}$	0.75
50%	$\frac{1}{2}$	$\frac{50}{100}$	0.50
25%	$\frac{1}{4}$	$\frac{25}{100}$	0.25

What does this look like?



Concrete Representation



Pictorial Representation

$$0.5 = \frac{50}{100} = \frac{5}{10} = \frac{1}{2}$$

Abstract Representation

What to do at home

Decimal to Fraction Snap!

Focus: Match decimals (0.25, 0.5, 0.75) to their fraction forms ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$).

You'll need:

- Decimal cards (0.25, 0.5, 0.75)
- Matching fraction cards ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$)

How to play:

Shuffle and deal all cards equally. Players take turns flipping a card into a shared pile. If a decimal matches its fraction, the first to shout "SNAP!" wins the pile. Most cards wins!

Key Vocabulary

0.1 is **equivalent** to **one tenth**

0.01 is **equivalent** to **one hundredth**

0.25 is **equivalent** to **one quarter**

0.5 is **equivalent** to **one half**