## Maths

## Multiplication and Division

## The Twelves



## Aim

- I can multiply and divide by 12.


## Success Criteria

- I can count in twelves.
- I can recognise multiples of 12 up to $12 \times 12$.
- I can use my knowledge of the times table to find the related division facts.
- I can solve word problems using the 12 times table.


## Beat the Clock

## Instructions:

1. Your teacher will tell you which columns to complete.
2. The stopwatch will stop after 5 minutes. If you finish before the 5 minutes are up, then shout 'finished' and the teacher will tell you your time. Write this at the top of the sheet.
3. When your work is marked, you will have a score to write at the top too.
4. If you didn't get them all right, then focus on that next time. Don't worry if it takes you the full 5 minutes.
5. If you got them all correct - well done! Next time, try to improve your time or choose a more tricky multiplication table.
6. Remember that you are racing against yourself. Don't worry about what your friends are doing!


## Let's Count in Twelves

Click a segment of the counting stick to reveal the number.


If $10 \times 12=120$, how could you work out $5 \times 12 ?$

How could you work out $2 \times 12$ ?

What would $9 \times 12$ be? Can you use subtraction to work this out?
How could you work out $11 \times 12,12 \times 12$ and $20 \times 12$ ?
Can you work out $15 \times 12$ ? How?

## Twelve

## Why is 12 a special number?

It can be known as a 'dozen'. The word comes from the Old French 'dozaine'. This word originated from the Latin word 'duodecim' which means twelve ('duo' meaning two plus 'decim' meaning ten).

Can you think of anything that is still sold in a 'dozen'?


## Twelve

## Why is twelve a special number?

There are 12 numbers on an analogue clock.


## Twelve

## Why is twelve a special number?

There are 12 months in a year.


```
January August
```

February September
March October
April
May
June
July

November
December

## Twelve

## Why is twelve a special number?

There are 12 zodiac signs.


## Twelve

## Why is twelve a special number?

There are 12 inches in a foot.


## Twelve

## Why is twelve a special number?

There are 12 days of Christmas.


## The Twelves Activities



## Twelve Times Table Test

| $5 \times 12=$ | 60 |
| :---: | :---: |
| $108 \div 12=$ | 9 |
| $12 \times 1=$ | 12 |
| $48 \div 12=$ | 4 |
| $12 \times 12=$ | 144 |
| $120 \div 12=$ | 10 |


| $12 \times 8=$ | 96 |
| :---: | :---: |
| $24 \div 12=$ | 2 |
| $3 \times 12=$ | 36 |
| $84 \div 12=$ | 7 |
| $12 \times 6=$ | 72 |
| $132 \div 12=$ | 11 |

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