## $\square$

## Maths

## Multiplication and Division



## Aim

- I can multiply and divide by 8.


## Success Criteria

- I can count in 8s.
- I can recognise multiples of 8 up to $12 \times 8$.
- I can write multiplication sentences for arrays up to $12 \times 8$.
- I can use arrays to find division facts.
- I can use my knowledge of the $8 \times$ table to find division facts.
- I can investigate the multiples of 8 , finding patterns in the digits.



## Loop Cards

Let's see how long it takes you to complete the loop!

\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Ihave.

1 \& \begin{tabular}{|l|}
Ihave. <br>
<br>
10

 \& 

Ihave. <br>
80 <br>
80
\end{tabular} \& Thave. 40 \& $\xrightarrow{\text { Thave }}$ \& Hhave. \& Who has...?

$$
9 \times 8
$$ <br>

\hline have. \& Itheem \& ${ }_{\text {I have. }}$ \& Ihame. \& thave. \& Ihave. \& Whorese. ${ }^{\text {a }}$ <br>
\hline 0 \& 24 \& 11 \& 9 \& 32 \& 72 \& $12 \times 8$ <br>
\hline ${ }_{\text {I have. }}$ \& Itave. \& Ihave. \& ${ }_{\text {I have. }}$ \& Ithee. \& Ihave. \& Whoroses. ${ }^{\text {a }}$ <br>
\hline 2 \& 6 \& 48 \& 4 \& 5 \& 96 \& $11 \times 8$ <br>
\hline ${ }^{\text {I have. }}$ \& Ihave. \& Ihave. \& Ihave. \& Ihave. \& Ihave. \& Whornas. ${ }^{\text {a }}$ <br>
\hline 64 \& 8 \& 12 \& 56 \& 16 \& 88 \& $8 \div 8$ <br>
\hline
\end{tabular}

We will be trying to beat our score later in this lesson.

## Let's Count in 8 s !

| 0 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



## Pieces of Eight

How many gold coins have the pirates got?


## Pieces of Eight

There are 8 pirates.


How many coins would each pirate get?
Can you share the treasure equally between them?

## Pieces of Eight

Pirate Jake gets seasick and has to go home, now there are only 7 pirates left!


How many gold coins does each pirate get now?
What are the 2 multiplication and 2 division facts that describe this array of coins?

## Pieces of Eight

How many gold coins have the pirates got this time?


How can you work this out?

## Pieces of Eight

Pirate Polly has joined the crew. Now there are eight pirates again.


Can you share this treasure fairly between the eight pirates?
How many coins would each pirate get?

## Pieces of Eight

Pirate Jake is feeling better and asks for his share of this treasure. Now there are 9 pirates!


How many gold coins does each pirate get?

## Pieces of Eight

What are the 2 multiplication and 2 division facts that describe this group of coins?


## The 8s Activities



## Diving into Mastery

Dive in by completing your own activity!


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$$
53)(5)(3)\left(\frac{5}{6}\right.
$$


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