## Multiplication and Division: Pieces of Eight

Aim:<br>To recall and use multiplication and division facts for the 3,4 and 8 multiplication tables.<br>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 $8 x$ table to find division facts.
I can investigate the multiples of 8 , finding patterns in the digits.

## Key/New Words:

Array, multiples, digits.

## Resources:

Lesson Pack
Small manipulatives
Stopwatch

## Preparation:

Multiplication and Division 8x Loop Cards - cut into individual cards
Differentiated Ahoy Me Hearties! Activity Sheets - as required Multiplication Squares - as required

It will be helpful if children have started to learn their $8 x$ table before this lesson, and have previous experience of grouping objects using arrays (covered in Lesson 1: The 3s and Lesson 2: The 4s).

## Learning Sequence

8x Loop Cards: Use the Multiplication and Division $8 \times$ Loop Cards. There are 24 cards in the set. If your class
is larger than 24 , you might consider having some children working with a partner to support them. If you have less
than 24 in your class then some children will need to have extra cards. All of the cards must be given out for the
activity to work successfully. The child with ' $0 \times 8=$ must start and read out their card. The child or group with 0
then goes next with ' $16 \div 8=$ 'and so on until the last question is called out $8 \div 8=^{\prime}$. Time the class so that they
can try to beat their score later in the lesson.
Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity.
These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and
in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying
this to show their depth of understanding.

## Exploreit

Practiceit: Play these fun Board Games to practise recalling multiplication facts.
Colourit: Colour the multiples of 8 on this 100 square. Do they make a pattern?
Wordsearchit: Practise 8 x tables facts with this Multiplication 8 Times Tables Wordsearch Worksheet.

