

## Lesson Approach

To begin this lesson, show pupils the In Focus task and allow them some time to come up with all the ways they can think of to count the fish. Then go through the different methods they suggest. Remember that all answers are appropriate here, e.g. counting all, counting on from 4.

If no one suggests using multiplication to solve the problem, suggest that we have 3 groups of 4. How could this be helpful? Ask if anyone is able to count in fours. Count together with pupils. Show that 3 groups of 4 is written as  $3 \times 4 = 12$ . Ask pupils to write the equation for 2 groups of 4 and 1 group of 4.

During Guided Practice, pupils are using pictorial representations to practise the 4 times table.

## Maths Drill

1.  $200 - 34 =$

2.  $222 + 555 =$

3.  $3 \times 11 =$

4.  $2 \times 3 =$

5.  $12 \times 3 =$

6.  $3 \times 3 =$

7.  $2 \times 4 =$

Put these numbers in **descending** order:

111, 434, 677, 434 123, 334, 454, 678

Number of the Day

635

Odd or even?

Draw the number in base 10

Partition the number

Add and subtract 105

Hundreds	Tens	Ones

## Multiplying by 4

- To be able to understand and learn the 4 times table
- Make equal groups of 4
- Count up in 4s
- Use drawings and representations to aid learning

In focus

# In Focus



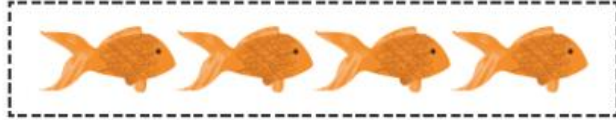
How many fish are there in all?

What can we do to find the answer?

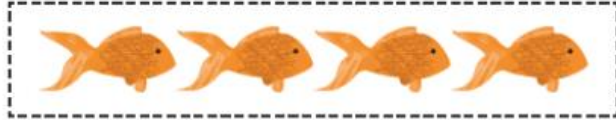
# Let's Learn

## Let's Learn

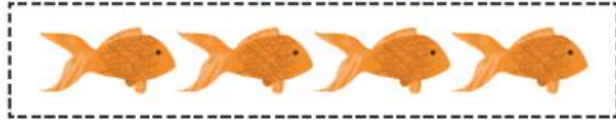
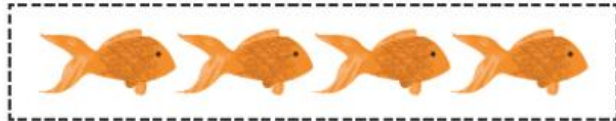
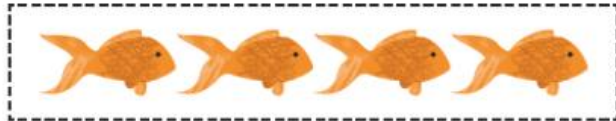
1 1 bowl has 4 fish.



1 group of 4  
 $1 \times 4 = 4$



2 groups of 4  
 $2 \times 4 = 8$



3 groups of 4  
 $3 \times 4 = 12$

There are 12 fish in all.

2

Use  to make groups of 4.



$1 \times 4 = 4$



$2 \times 4 = 8$



$3 \times 4 = 12$



$4 \times 4 = 16$



$5 \times 4 = 20$



$6 \times 4 = 24$



$7 \times 4 = 28$



$8 \times 4 = 32$



$9 \times 4 = 36$



$10 \times 4 = 40$

Do you know how to count in fours?



# Guided Practice

Remember to read the questions carefully and use the tiles in q.2 to help you answer the following questions.

## Guided Practice

Write the missing numbers.

1



$$\square \times \square = \square$$

2



(a)  $2 \times 4 = \square$        $4 \times 4 = \square$

(b)  $3 \times 4 = \square$        $6 \times 4 = \square$

(c)  $4 \times 4 = \square$        $8 \times 4 = \square$

# Guided Practice Answer:

## Guided Practice

Write the missing numbers.

1



$$6 \times 4 = 24$$

2

....

....

....

....

....

....

....

....

(a)  $2 \times 4 = 8$        $4 \times 4 = 16$

(b)  $3 \times 4 = 12$        $6 \times 4 = 24$

(c)  $4 \times 4 = 16$        $8 \times 4 = 32$



## Worksheet 3

### Multiplying by 4

1 Multiply by counting in fours.



(a)  $2 \times 4 = \square$

(b)  $6 \times 4 = \square$

(c)  $5 \times 4 = \square$

(d)  $4 \times 4 = \square$

(e)  $7 \times 4 = \square$

(f)  $3 \times 4 = \square$

(g)  $10 \times 4 = \square$

(h)  $9 \times 4 = \square$

2 Write down two multiplication statements for each picture.

(a)



$\square \times \square = \square$

$\square \times \square = \square$

(b)



$\square \times \square = \square$

$\square \times \square = \square$

Complete the  
pages in your  
Maths No  
Problem books.

## Worksheet 3

### Multiplying by 4

1 Multiply by counting in fours.



(a)  $2 \times 4 = 8$

(b)  $6 \times 4 = 24$

(c)  $5 \times 4 = 20$

(d)  $4 \times 4 = 16$

(e)  $7 \times 4 = 28$

(f)  $3 \times 4 = 12$

(g)  $10 \times 4 = 40$

(h)  $9 \times 4 = 36$

2 Write down two multiplication statements for each picture.

(a)



$$4 \times 5 = 20$$

$$5 \times 4 = 20$$

(b)



$$4 \times 9 = 36$$

$$9 \times 4 = 36$$

## Extension



$$4 \times \underline{\hspace{2cm}} = 36$$

$$4 \times \underline{\hspace{2cm}} = 16$$

$$4 \times \underline{\hspace{2cm}} = 24$$

Fill in the gaps below:

32		40			52
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A car has 4 tyres. How many tyres are there on 7 cars?

## Extension



$$4 \times 8 = 32$$

$$4 \times 4 = 16$$

$$4 \times 6 = 24$$

32, 36, 40, 44, 48, 52

28