## Maths

## Multiplication and Division

## The Sixes



## Aim

- I can multiply and divide by six.


## Success Criteria

- I can count in sixes.
- I can recognise the multiples of 6 up to $12 \times 6$.
- I can use arrays and the 6 times table to find division facts.
- I can solve multiplication and division word problems using my 6 times table facts.


## Find the Product

## Instructions:

1. Your team needs two dice and a Find the Product Sheet.
2. The youngest team member starts by rolling both dice.
3. Find the product of the two numbers.
4. Write the answer down, then pass it on to the next group member.
5. Once everyone in the group has had a go, check the answers together. Each correct answer gets a point.
6. The team member with the highest answers wins two points.

Play another round.
How many points can you get before your teacher asks you to stop?

Find the Product
Roll both dice and find the product. Check the answers; give one point for a correct answer and 2 points for the highest product of the round.

| Players Same | Round 1 |  | Round 2 |  | Round 3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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## Let's Count in Sixes!

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


If $10 \times 6=60$, how could you work out $5 \times 6$ ?

How could you work out $2 \times 6$ ?

What would $9 \times 6$ be? Can you use subtraction to work this out?

How could you work out $11 \times 6,12 \times 6$ and $20 \times 6 ?$

## Arrays

How many dice are there?


## Arrays

How many dice are there in each of these arrays?
Can you write two multiplication and two division sentences to describe each array?


Are there always four different facts for each array? Why are there only two for $6 \times 6$ ?

## Roll a Six

Can you use your six times table facts to solve any of these problems?

I rolled sixes on my dice and counted 42 dots in total. How many sixes did I roll?

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& \text { : : : } \\
& \text { : : : : } \\
& \text { :! : : }
\end{aligned}
$$

How many dots in total?


If I rolled two dice and had 12 dots in total, what did I roll?

## The Sixes Activities



## Diving into Mastery

Dive in by completing your own activity!


## Rhymes to Remember



Which of the facts from the six times table are the hardest to remember?
Some people make up rhymes to help them to remember them. Here is an example:
Six dogs with six sticks, six times six is thirty-six.


Can you make up any rhymes of your own for these tricky six times table facts?

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