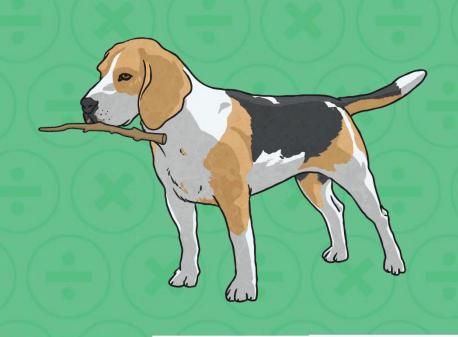


The Sixes





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.



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.

Player's Name	Round 1		Round 2		Round 3	
	Calculation	Score	Calculation	Score	Calculation	Score



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 5×6 ?

How could you work out 2 × 6?

What would 9 × 6 be? Can you use subtraction to work this out?

How could you work out 11×6 , 12×6 and 20×6 ?



Arrays



How many dice are there?













Look at the rows. There are six rows of five.

$$6 \times 5 = 30$$

Look at the columns. There are five columns of six.

$$5 \times 6 = 30$$

If you share the 30 into six groups, there would be five in each group.

$$30 \div 6 = 5$$

If you share the 30 into five groups, there would be six in each group.

$$30 \div 5 = 6$$

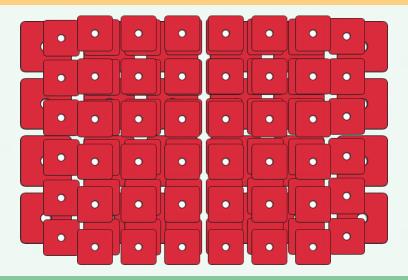


Arrays



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 × 6?



Roll a Six

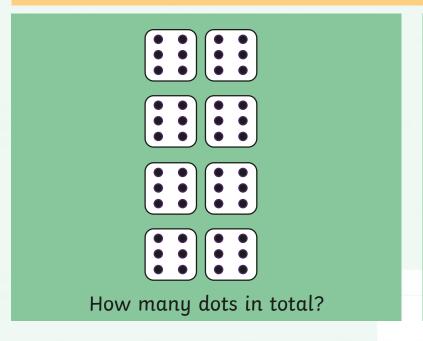


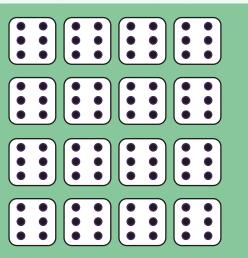
Can you use your six times table facts to solve any of these problems?

I rolled sixes on my dice and counted 42 dots in total.

How many sixes did I roll?







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

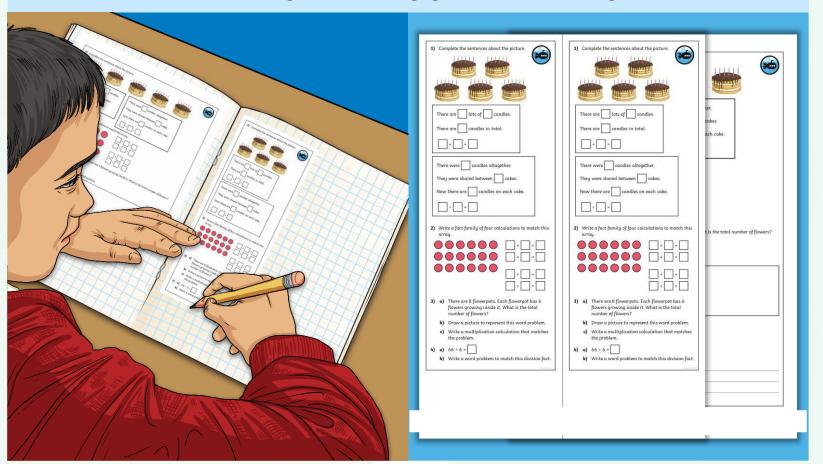


The Sixes Activities



Diving into Mastery

Dive in by completing your own activity!





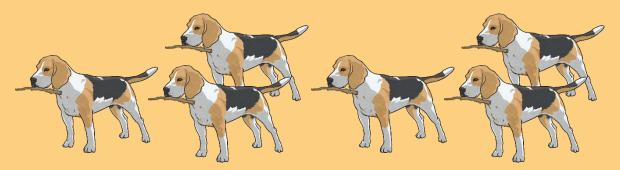
Rhymes to Remember



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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