Maths

Multiplication and Division

The Sevens

Aim

- I can multiply and divide by seven.

Success Criteria

- I can count in sevens.

- I can recognise multiples of 7 up to 12 × 7.

- I can use my knowledge of the 7 times table to find the related division facts.

- I can solve multiplication and division word problems.

- I can use my 7 times table and Multiplication Magic to multiply multiples of 10.

Catch Sevens

Instructions:

1. Stand in a circle with your group.

2. The person with the beanbag calls out a calculation question from the 7 times table, and throws the beanbag to another child in your group. They say the answer.

3. The child who has answered then asks a new calculation question and throws the beanbag to someone else.

4. Make sure that everyone gets a turn.

5. Complete as many passes as you can before the five minute timer runs out.

START

Let's Count in Sevens!

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

If 7 × 10 = 70, how could you work out 7 × 5?

How could you work out 7 × 2?

What would 9 × 7 be? Can you use subtraction to work this out?

How could you work out 7 × 11, 7 × 12 and 7 × 20?

Can you work out 7 × 15? How?

How Much Longer?

How many days are there in a week?

How many in two weeks?

How many in four weeks?

How many in 12 weeks?

My birthday is in seven weeks' time.
How many days do I have to wait?

How Many Weeks?

It is exactly 48 days until we go on holiday. My sister says this is six weeks away.

Is she correct?

I have to wait 21 days until my birthday.

How many weeks is that?

There are exactly four weeks in February when it isn't a leap year.

How many days are there?

There are 63 days until I move house.

How many weeks is that?

The Sevens Activities

The Se[vens]

How quickly can you fill in [...]

x	
2	
4	
12	
8	
1	
9	
3	
10	
5	
7	
6	
11	

The Sevens

1. Fill in these grids as quickly as you can. Use facts from your seven times table.

x	7
2	
4	
12	
8	
1	
9	
3	
10	
5	
7	
6	
11	

÷	7
28	
49	
14	
70	
84	
35	
56	
63	
77	
7	
42	
21	

2. How many days are there in 6 weeks? _____

3. Helen had to wait eight weeks to collect her new puppy.
   How many days did she wait? _____

4. The month of February has exactly 28 days in it when it isn't a leap year.
   How many weeks is this? _____

5. It is 14 days until my birthday. How many weeks is this? _____

The Sevens

1. Fill in these grids as quickly as you can. Use facts from your seven times table.

x	7
2	
4	
12	
8	
1	
9	
3	
10	
5	
7	
6	
11	

÷	7
28	
49	
14	
70	
84	
35	
56	
63	
77	
7	
42	
21	

2. How many days are there in nine weeks? _____

3. Helen had to wait 12 weeks to collect her new puppy.
   How many days did she wait? _____

4. The month of February has exactly 28 days in it when it isn't a leap year.
   How many weeks is this? _____

5. It is 140 days until my birthday. How many weeks is this? _____

Diving into Mastery

Dive in by completing your own activity!

Multiplication Magic
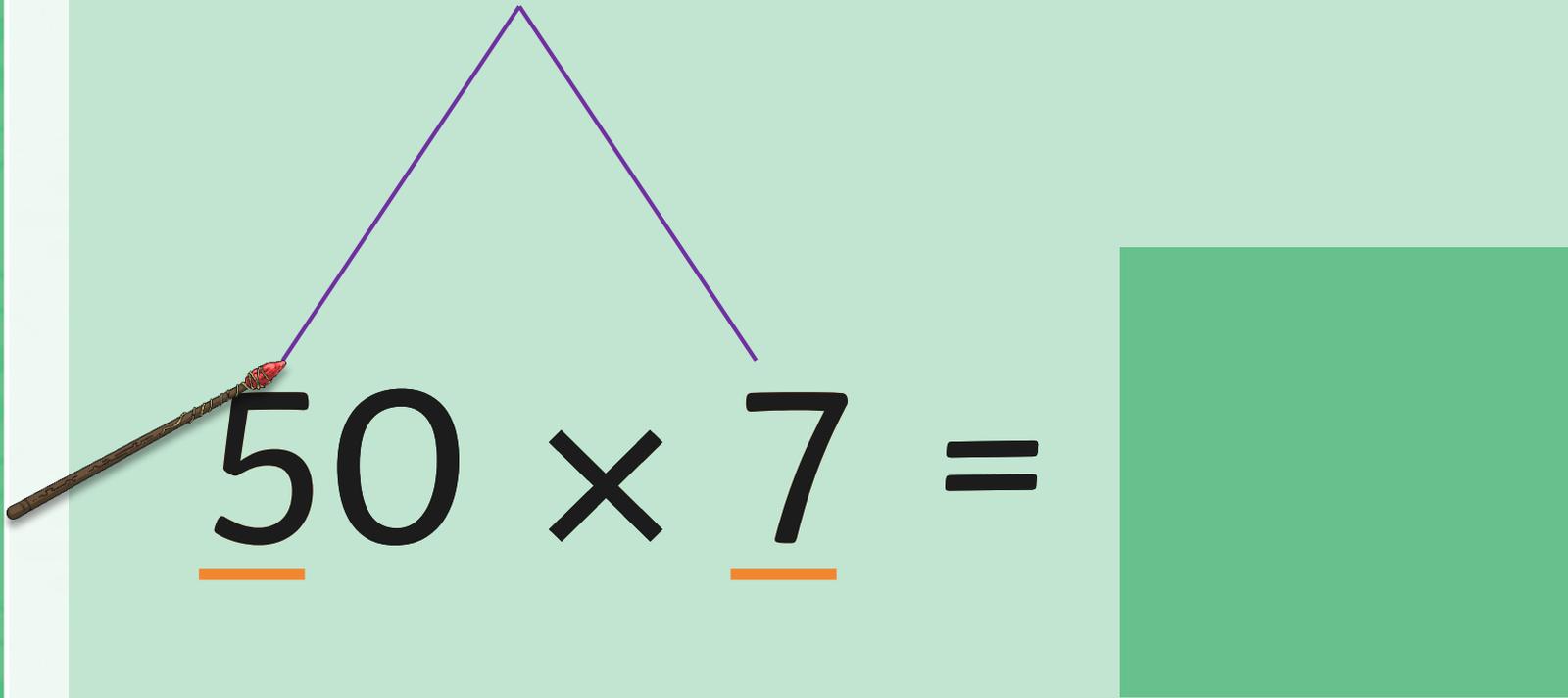
50 × 7 =

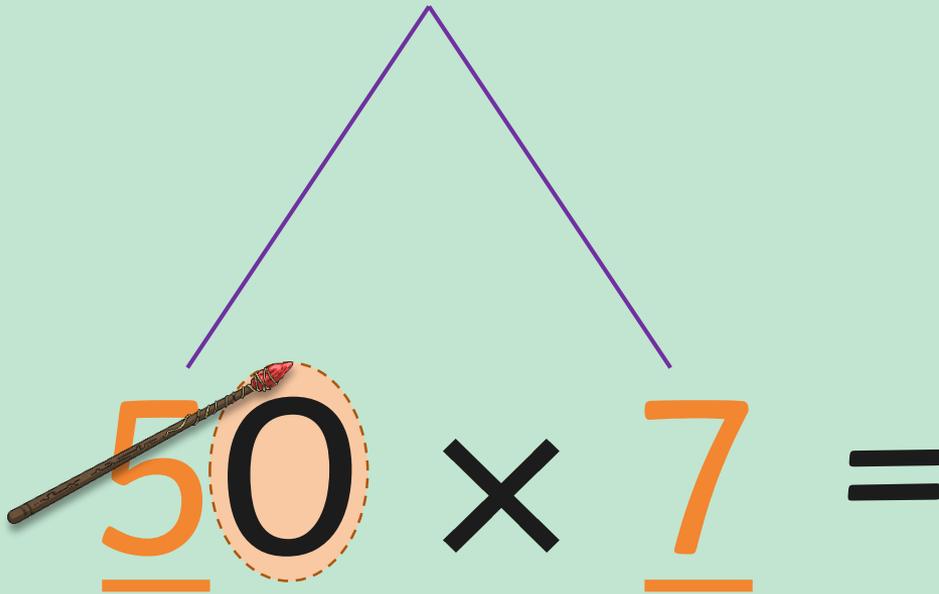Draw the wizard's hat to find the facts to calculate.

Multiplication Magic
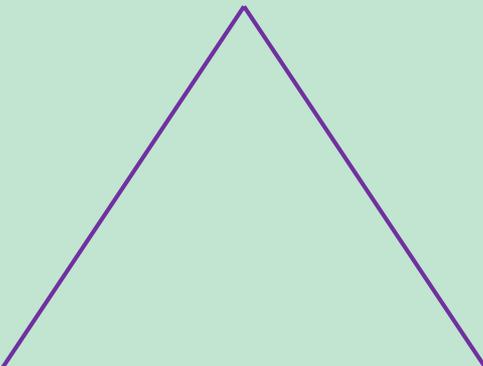
$$50 \times 7 =$$

$$5 \times 7 = 35$$

Use your multiplication facts to calculate.

Multiplication Magic

$$50 \times 7 =$$

If we know 5 x 7...

...then we know 50 × 7!

Use your multiplication facts to calculate.

Multiplication Magic

$$5\underline{0} \times \underline{7} =$$

$$5 \times 7 = 35$$
$$50 \times 7 = 350$$

How do we know this?

Multiplication Magic
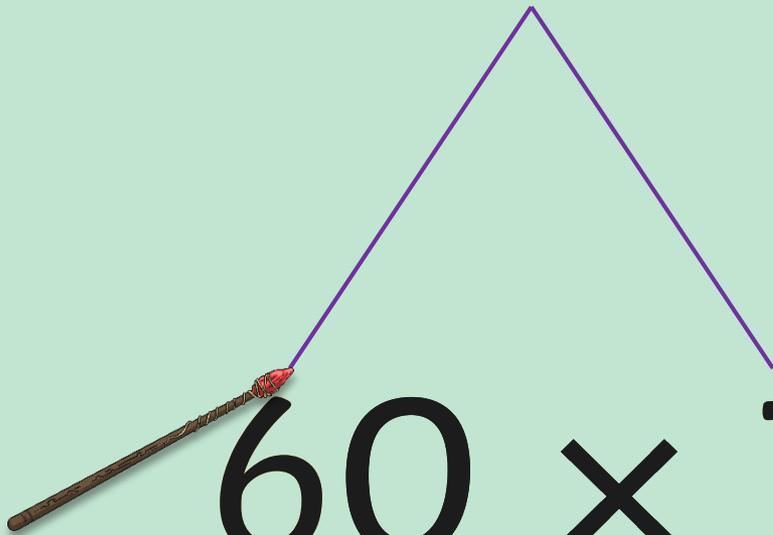
$$60 \times 7 = 420$$

Multiplication Magic

70 × 4 =	**280**
3 × 70 =	**210**
70 × 6 =	**420**

90 × 7 =	**630**
40 × 70 =	**2800**
70 × 80 =	**5600**

90 × 7 =	**630**
40 × 70 =	**2800**
70 × 80 =	**5600**

Aim

- I can multiply and divide by seven.

Success Criteria

- I can count in sevens.

- I can recognise multiples of 7 up to 12 × 7.

- I can use my knowledge of the 7 times table to find the related division facts.

- I can solve multiplication and division word problems.

- I can use my 7 times table and Multiplication Magic to multiply multiples of 10.