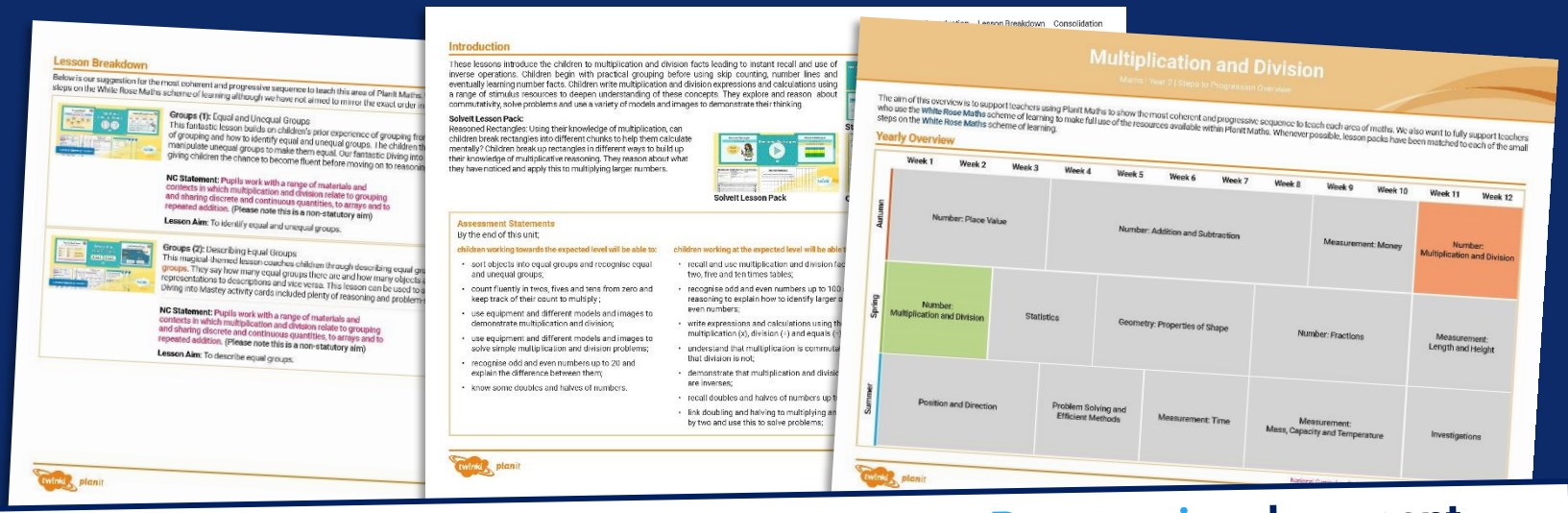
Maths

Multiplication and Division

Multiplying by 5

twinkl

Need a coherently planned sequence of lessons to complement this resource?



See our Multiplication and Division Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.

Aim

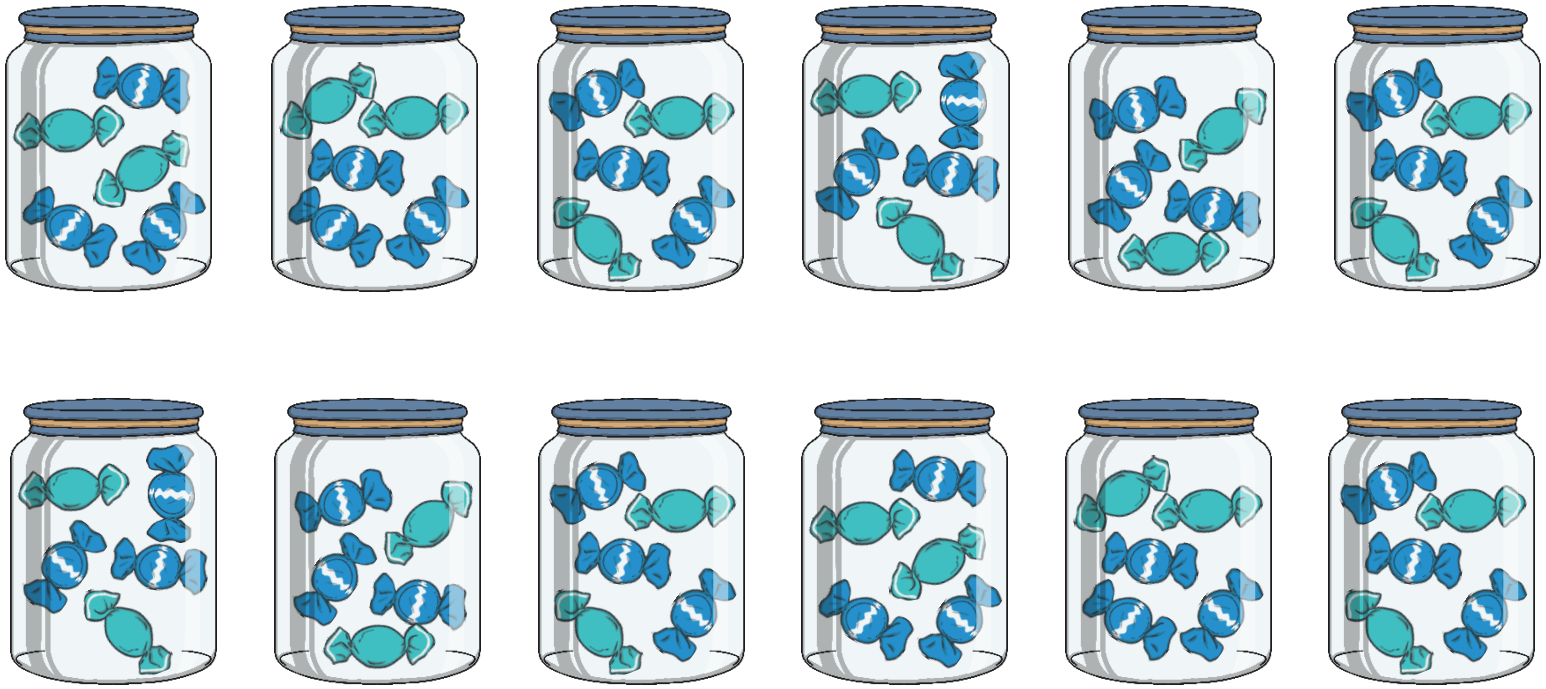
- To recall and use multiplication facts for the 5 times table.

Success Criteria

- I can count in 5s.
- I can spot patterns within multiples of 5.
- I can recall multiplication facts up to 12 × 5.

Remember It

Count in 5s. Use the jars to help.



Fun Fingers

There are 0 hands. How many fingers are there?

There are 0 groups of 5 fingers.

There are 0 fingers altogether.

The product of 0 and 5 is 0.

0 × 5 = 0

Fun Fingers

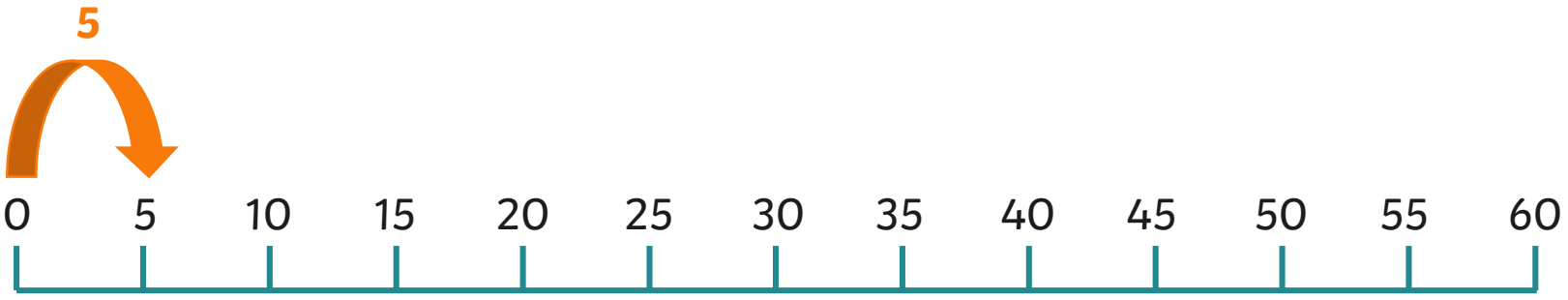
There is 1 hand. How many fingers are there?

There is 1 group of 5 fingers.

There are 5 fingers altogether.

The product of 1 and 5 is 5.

1 × 5 = 5



Fun Fingers

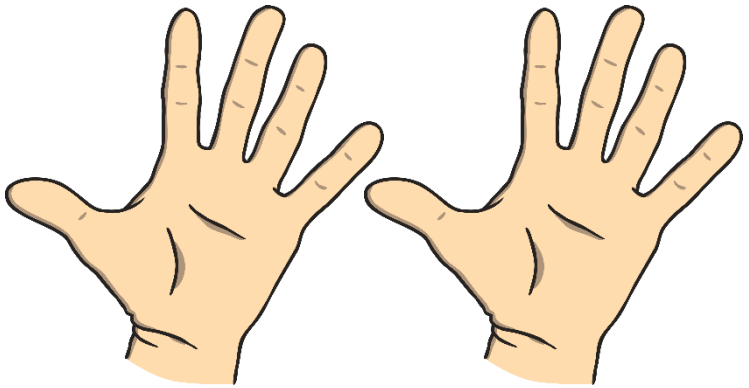
There are 2 hands. How many fingers are there?

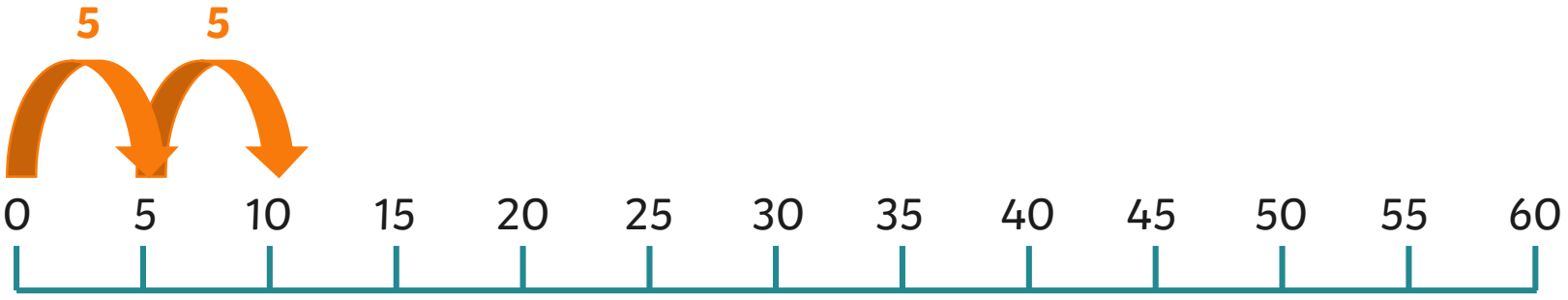
There are 2 groups of 5 fingers.

There are 10 fingers altogether.

The product of 2 and 5 is 10.

2 × 5 = 10





Fun Fingers

There are 3 hands. How many fingers are there?

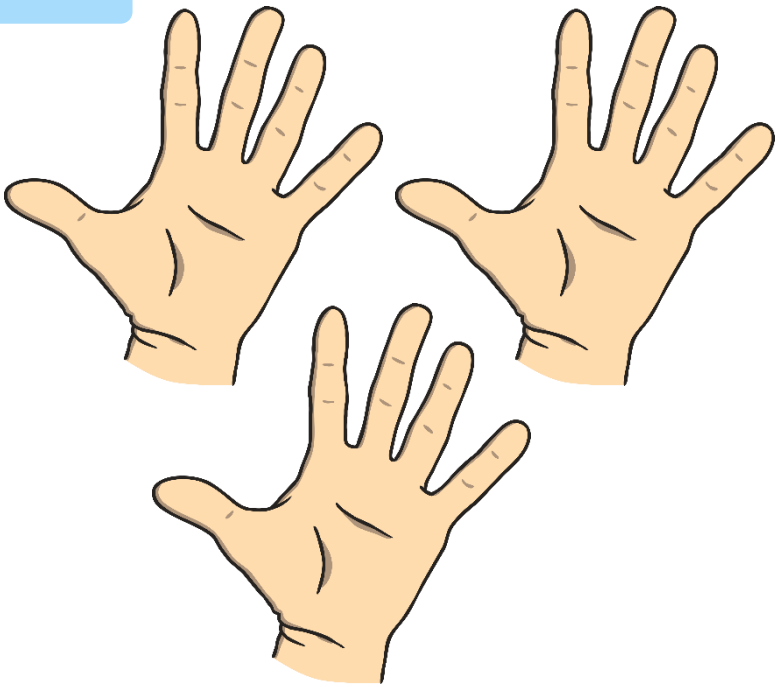
What is the product of 3 and 5?

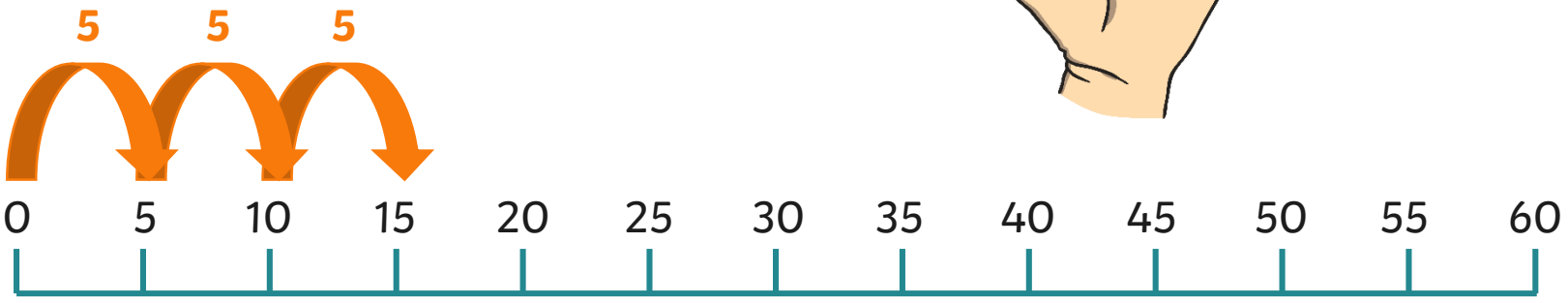
There are 3 groups of 5 fingers.

There are 15 fingers altogether.

The product of 3 and 5 is 15.

3 × 5 = 15





Fun Fingers

There are 4 hands. How many fingers are there?

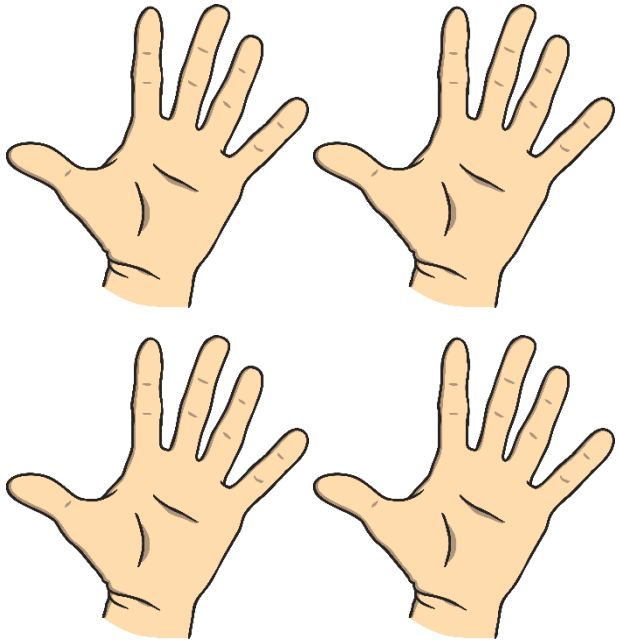
What is the 20 a product of?

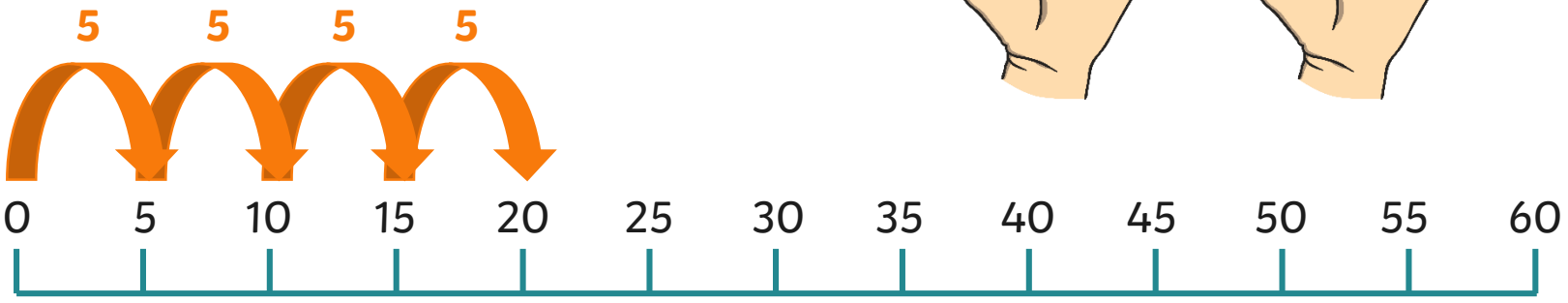
There are 4 groups of 5 fingers.

There are 20 fingers altogether.

The product of 4 and 5 is 20.

4 × 5 = 20





Fun Fingers

There are 5 hands. How many fingers are there?

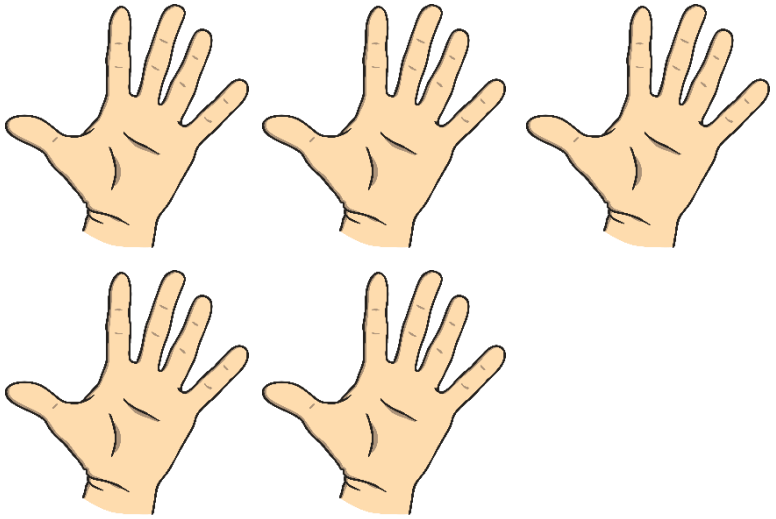
How would you write this as a multiplication fact?

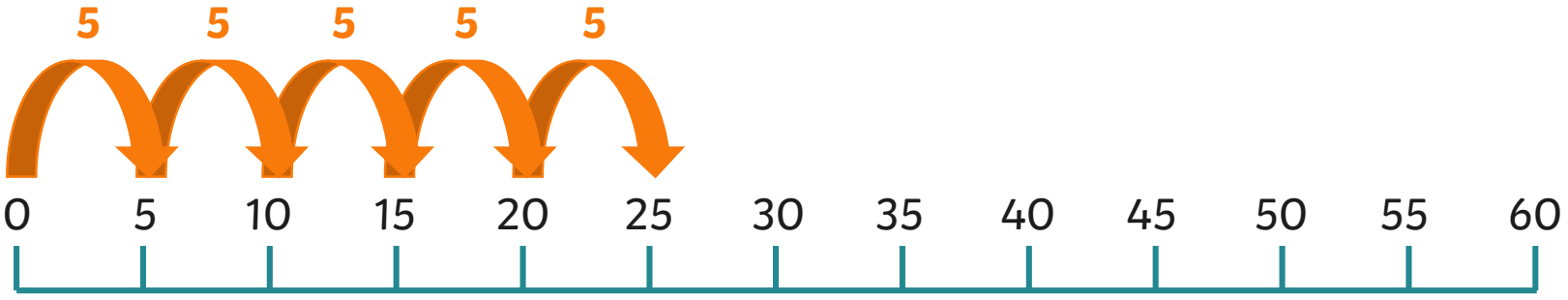
There are 5 groups of 5 fingers.

There are 25 fingers altogether.

The product of 5 and 5 is 25.

5 × 5 = 25





Fun Fingers

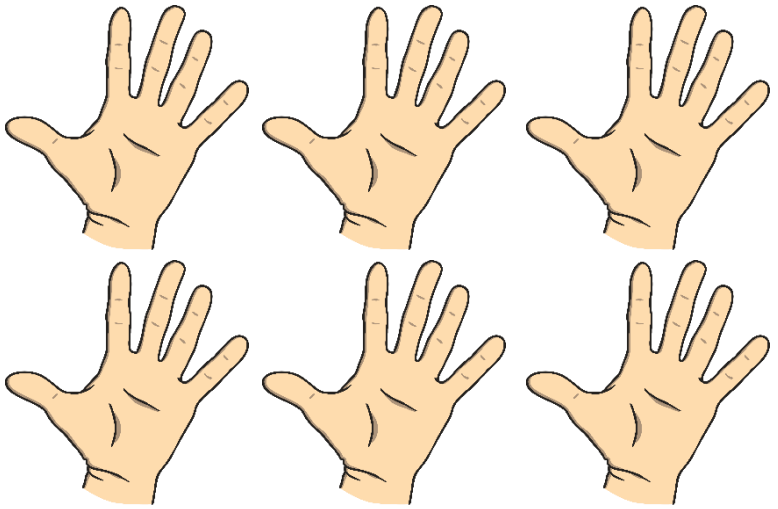
There are 6 hands. How many fingers are there?

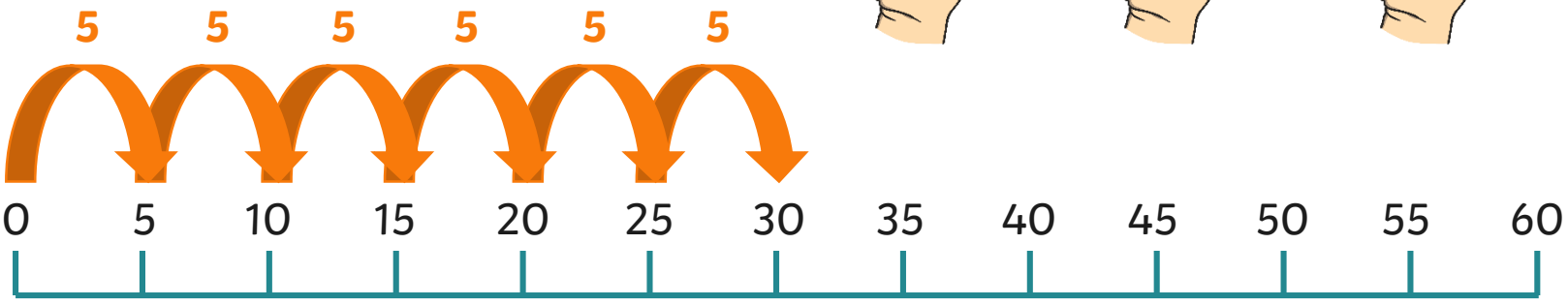
There are 6 groups of 5 fingers.

There are 30 fingers altogether.

The product of 6 and 5 is 30.

6 × 5 = 30





How else could you write the calculation?

5 × 6 = 30

30 = 5 × 6

30 = 6 × 5

Fun Fingers

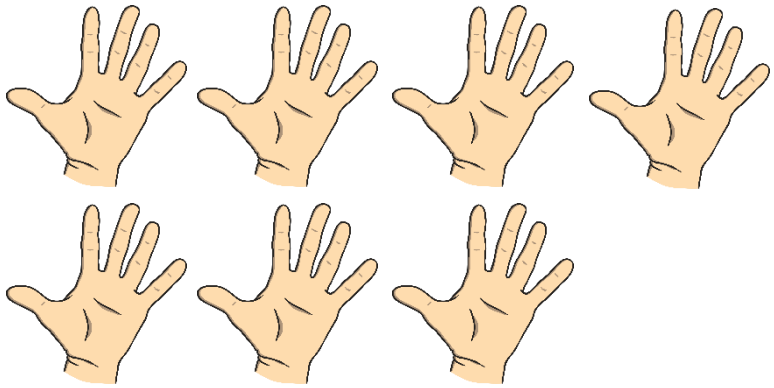
There are 7 hands. How many fingers are there?

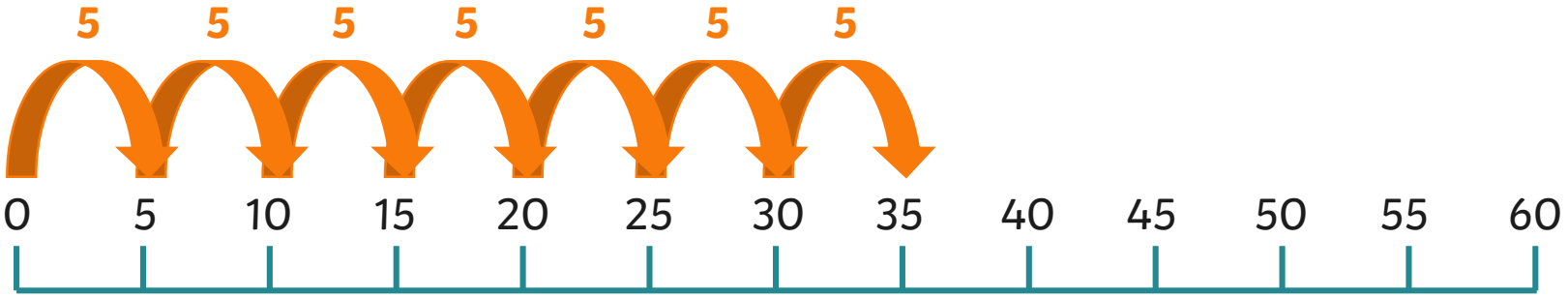
There are 7 groups of 5 fingers.

There are 35 fingers altogether.

The product of 7 and 5 is 35.

7 × 5 = 35





What are the factors of 35?

The factors of 35 are 7 and 5.

Fun Fingers

There are 8 hands. How many fingers are there?

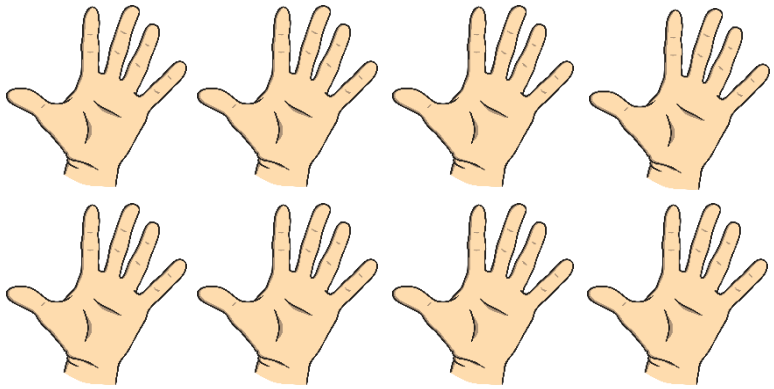
What is the product of 8 and 5? Write a calculation to show this.

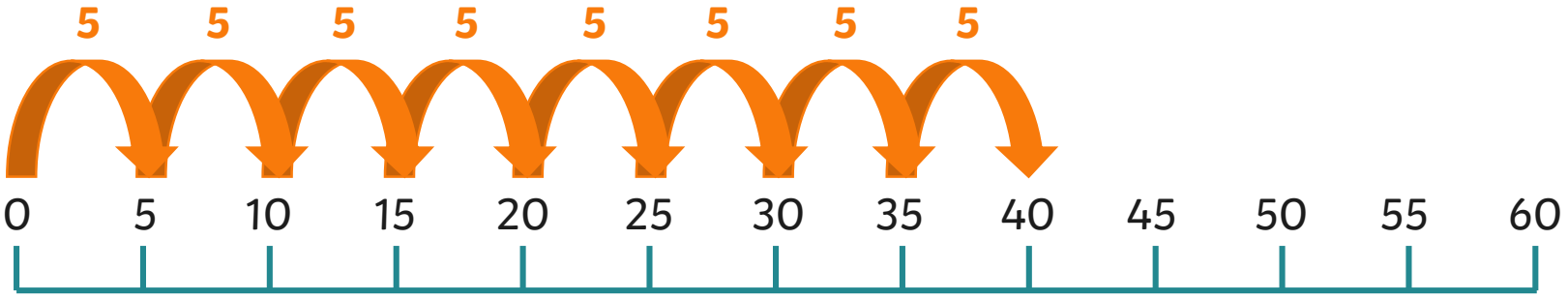
There are 8 groups of 5 fingers.

There are 40 fingers altogether.

The product of 8 and 5 is 40.

8 × 5 = 40





Fun Fingers

There are 9 hands. How many fingers are there?

Write a calculation to show this at least 2 ways.

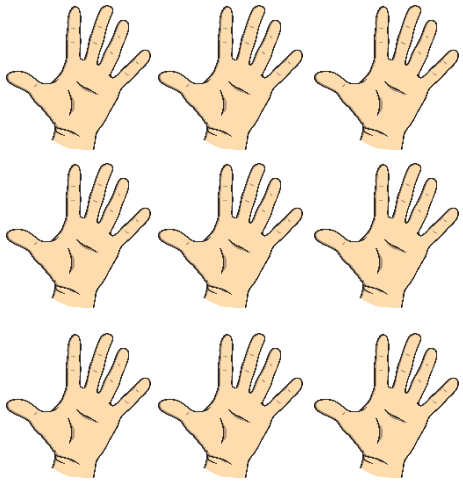
There are 9 groups of 5 fingers.

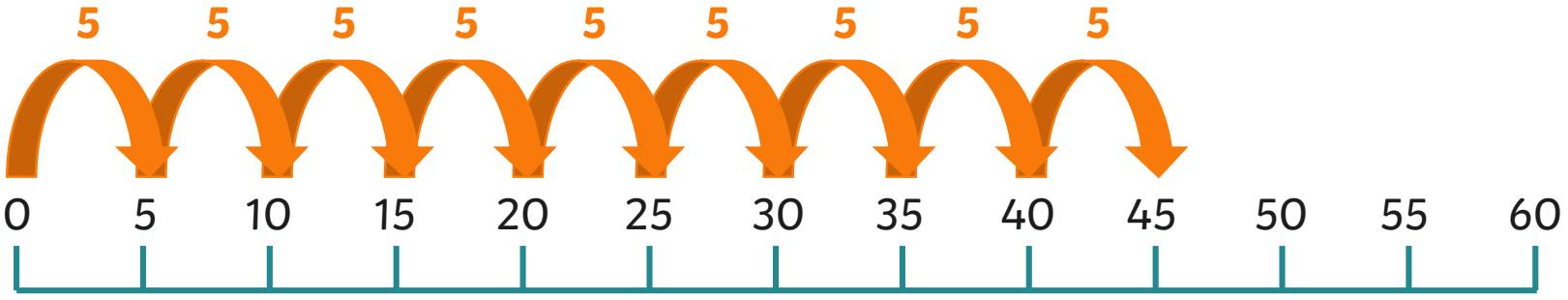
There are 45 fingers altogether.

The product of 9 and 5 is 45.

9 × 5 = 45 **45 = 9 × 5**

5 × 9 = 45 **45 = 5 × 9**





Fun Fingers

There are 10 hands. How many fingers are there?

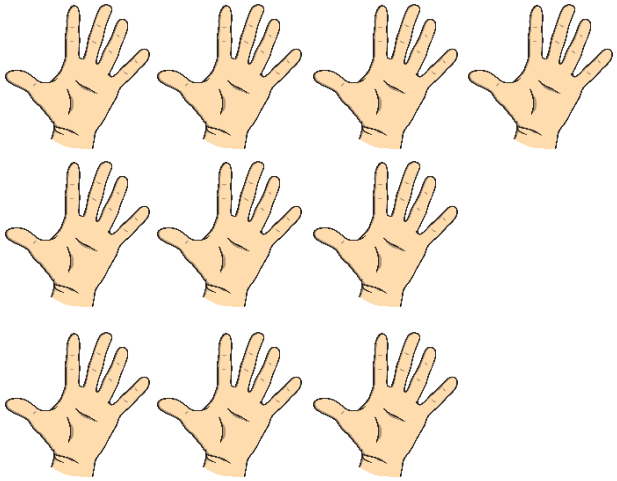
Complete the sentences and calculation.

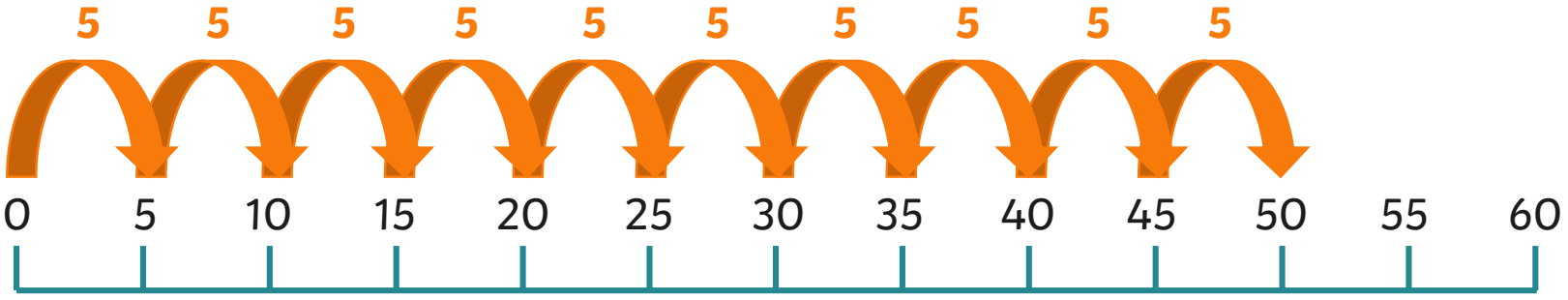
There are 10 groups of 5 fingers.

There are ___ fingers altogether.

The product of __ and __ is __.

__ × 5 = __





Fun Fingers

There are 11 hands. How many fingers are there?

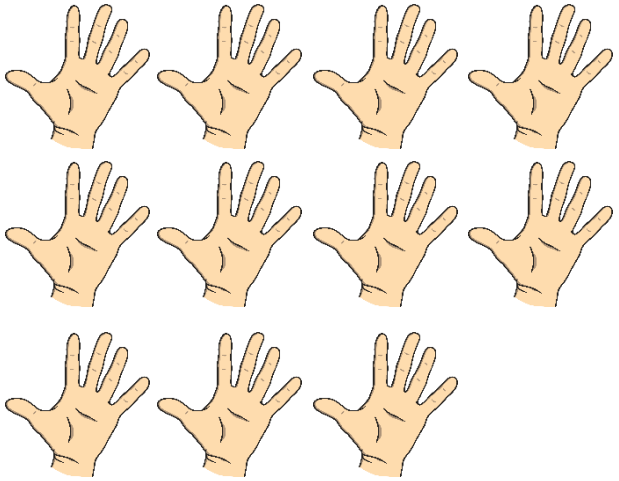
Complete the sentences and calculation.

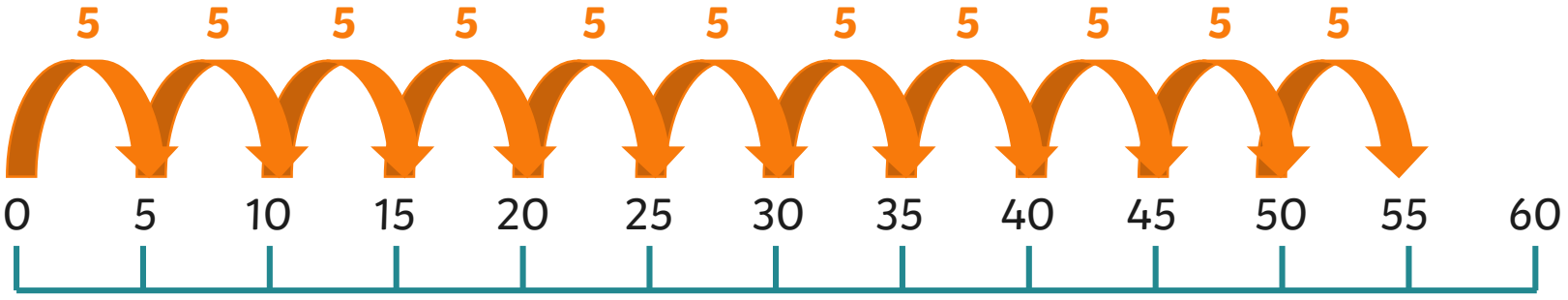
There are 11 groups of 5 fingers.

There are ___ fingers altogether.

The product of __ and __ is ___.

__ × 5 = ___





Fun Fingers

There are 12 hands. How many fingers are there?

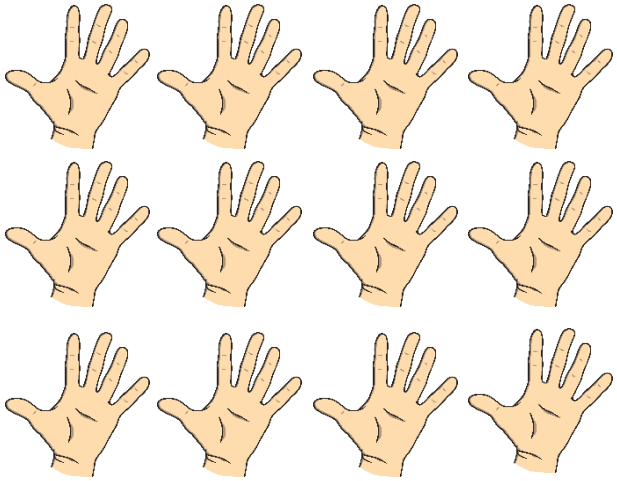
Complete the sentences and calculation.

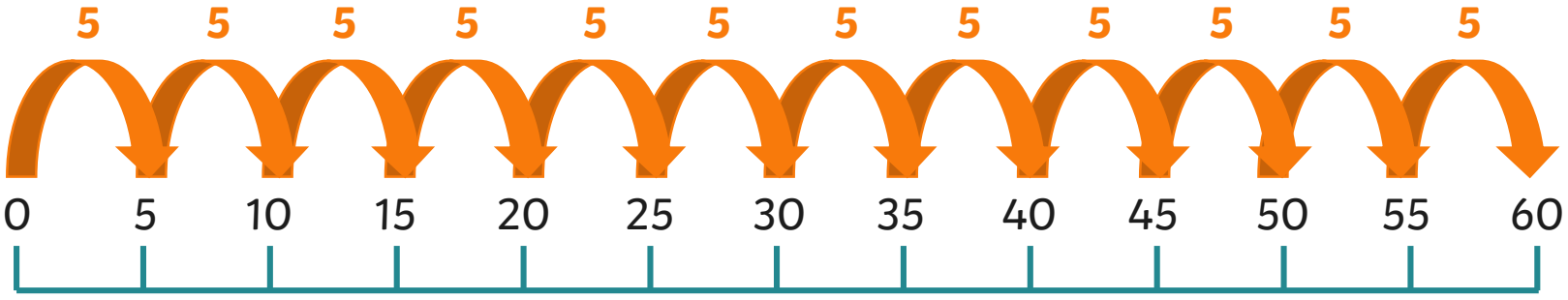
There are 12 groups of 5 fingers.

There are ___ fingers altogether.

The product of __ and __ is ___.

__ × 5 = ___





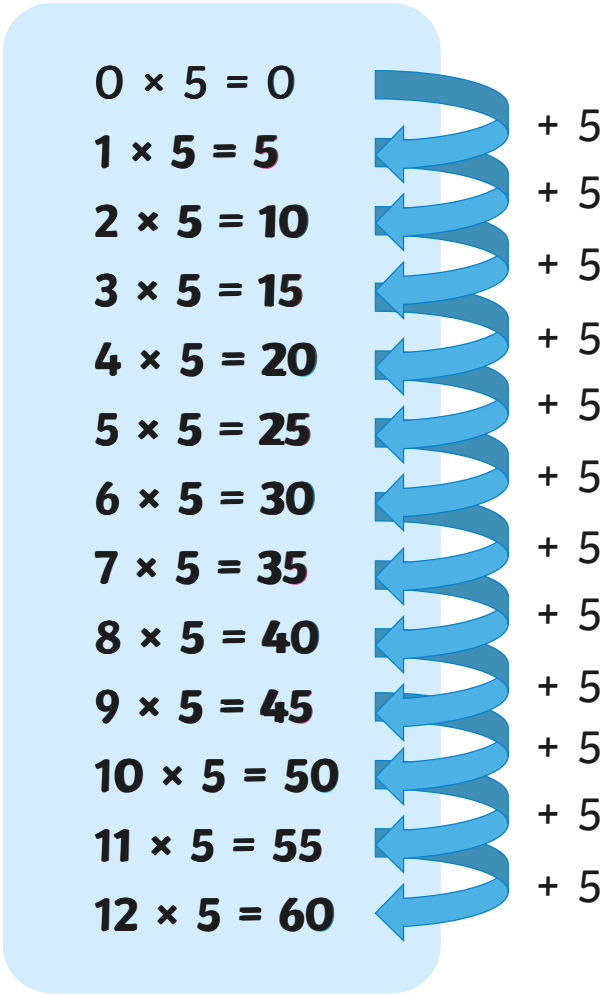
Fun Fingers

	Number of Hands	Number of Fingers
0 × 5 = 0	0	0
1 × 5 = 5	1	5
2 × 5 = 10	2	10
3 × 5 = 15	3	15
4 × 5 = 20	4	20
5 × 5 = 25	5	25
6 × 5 = 30	6	30
7 × 5 = 35	7	35
8 × 5 = 40	8	40
9 × 5 = 45	9	45
10 × 5 = 50	10	50
11 × 5 = 55	11	55
12 × 5 = 60	12	60

If there are 4 hands, how many fingers are there?

If there are 35 fingers, how many hands are there?

What patterns can you spot? Share your ideas with a partner.



The products end with either a 0 or a 5.

The product of 5 and an odd number ends with 5.

The product of 5 and an even number ends with 0.

Working down the list, the products increase by 5 each time.

Use the patterns to find the missing numbers.
Did your friend get the same numbers as you?

$0 \times 5 = 0$
$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$
$6 \times 5 = 30$
$7 \times 5 = 35$
$8 \times 5 = 40$
$9 \times 5 = 45$
$10 \times 5 = 50$
$11 \times 5 = 55$
$12 \times 5 = 60$

Working down the list, the products increase by 5 each time.

This means that, working up the list, the products decrease by 5 each time.

$3 \times 5 = 4 \times 5 - 5$

$9 \times 5 = 8 \times 5 + 5$

Efficient

There are 3 boats. Each boat has 5 people in.
How many people are there altogether?

Represent this problem with a multiplication expression.

Efficient

There are 3 boats. Each boat has 5 people in.
How many people are there altogether?

How could we solve this problem?

There are 3 groups of 5 people. There are 5 people, 3 times.

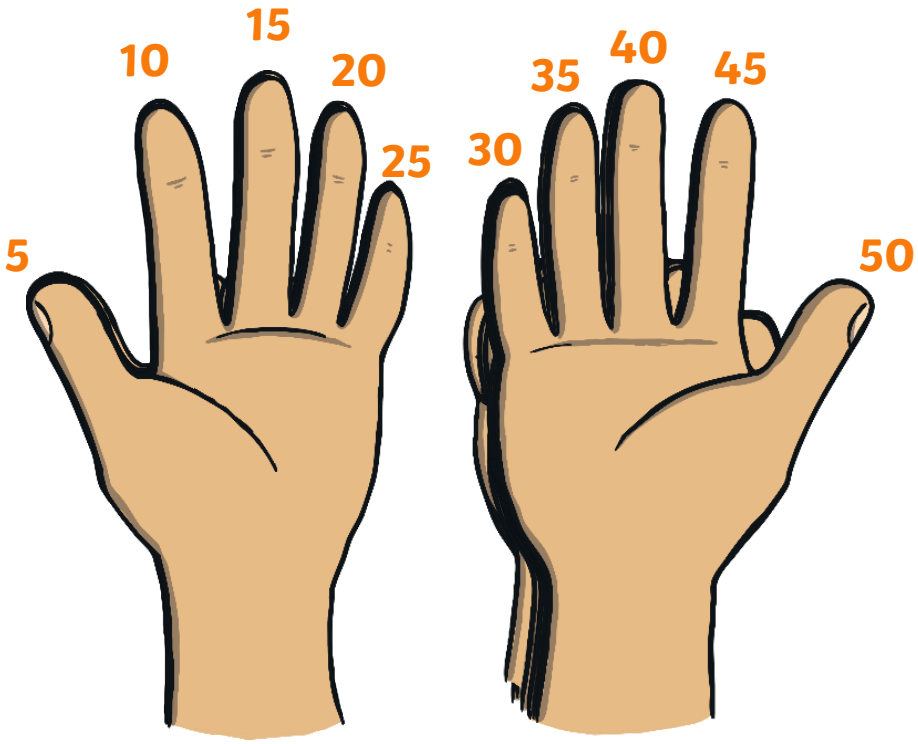
We could count them one by one.

We could count the people in fives.

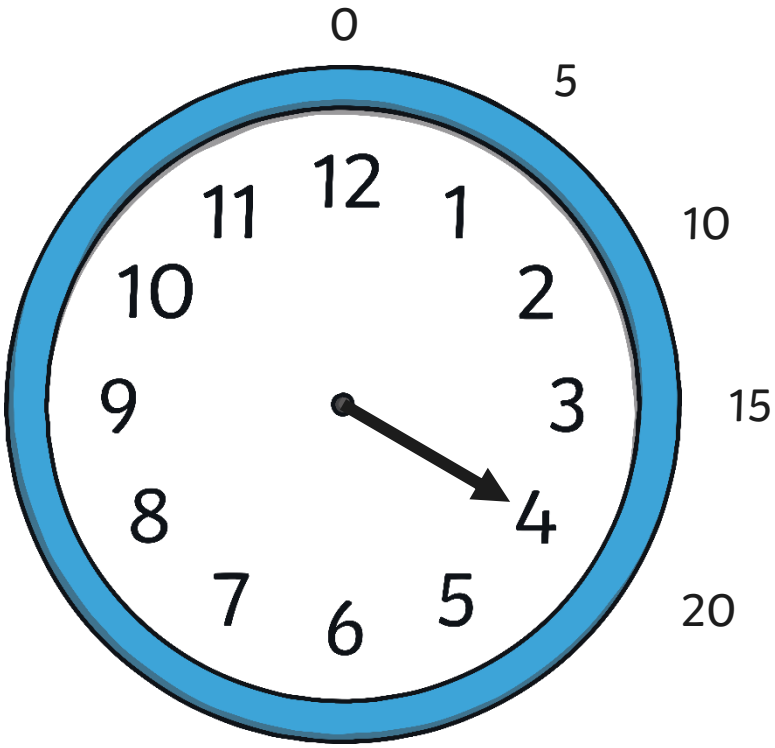
We could use our multiplication chart we made earlier.

We may remember 3 times 5 is equal to 15.

Let's practice counting to 50 in 5s.
We'll keep track of our count on our fingers.



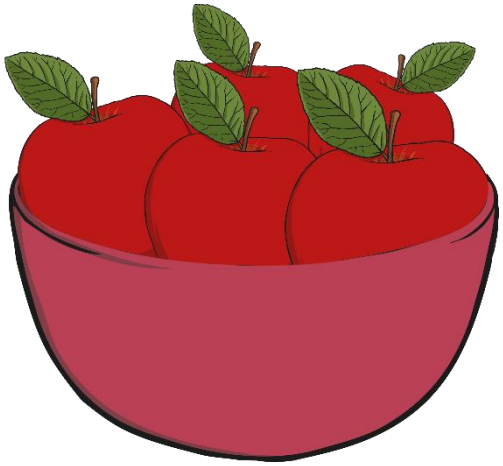
If the minute hand is pointing at 4, how many minutes past the hour is it? Use your 5 times table to help.



20 minutes

Problems

In each bowl, there are 5 apples.



How many apples are there in 6 bowls?

What does this look like as a multiplication calculation?

$6 \times 5 = 30$

There are 30 apples in 6 bowls.

Use the greater than, less than and equals symbols to complete these problems.

< > =

7 × 5	<	9 × 5
7 × 5	=	6 × 5 + 5
7 × 5	=	8 × 5 - 5
7 × 5	>	3 × 5 + 5

How Many Fingers

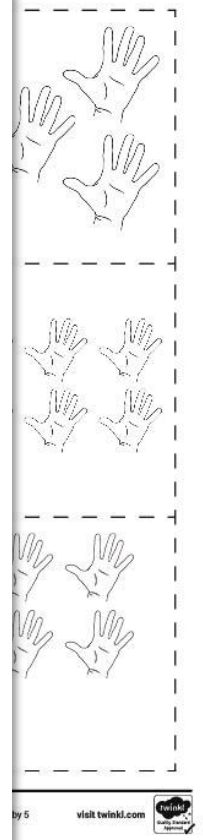
How Many Fingers?

To recall and use multiplication facts for the 5 times table.

Instructions

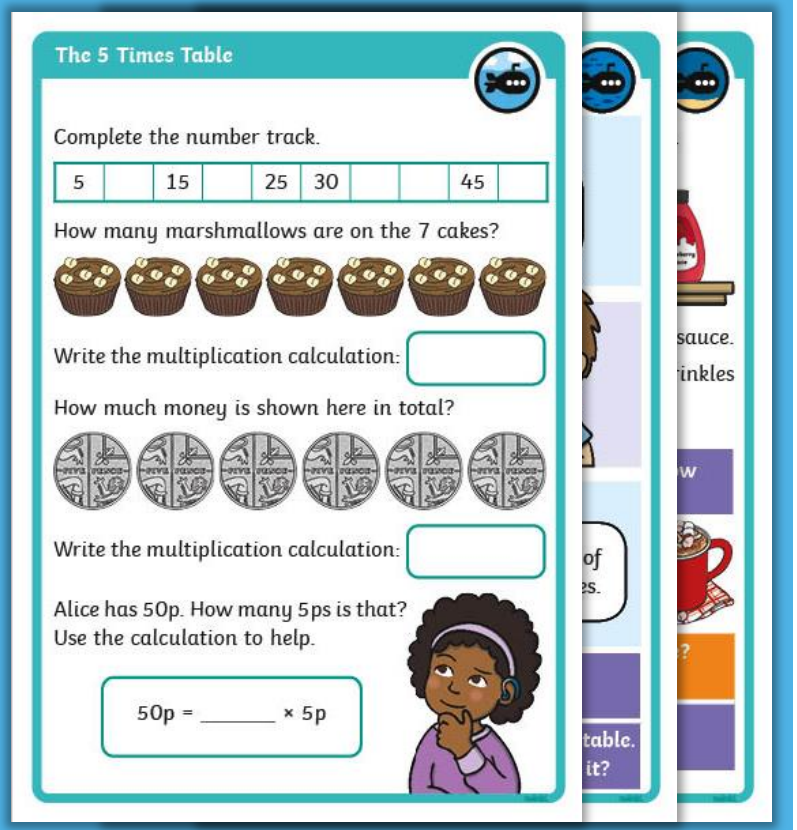
1. Fill in the missing information in the multiplication sentences.
2. Cut out the hands and the multiplication sentences.
3. Work with a friend to match the hands to a sentence.
4. Take it in turns to turn a sentence face down. Can your friend guess what the sentence says by looking at the hands?

1 × 5 = 5	2 × 5 = ____	3 × 5 = ____
4 × 5 = ____	5 × 5 = ____	____ × 5 = ____
____ × 5 = ____	____ × 5 = ____	____ × 5 = ____
____ × 5 = ____	____ × 5 = ____	____ × 5 = ____



Diving into Mastery

Dive in by completing your own activity!



Shout it Out!

How quickly can you shout out the answers to the multiplications that you see?

3 × 5 =	15
10 × 5 =	50
2 × 5 =	10
11 × 5 =	55
4 × 5 =	20
9 × 5 =	45
12 × 5 =	60
1 × 5 =	5
5 × 5 =	25
8 × 5 =	40
6 × 5 =	30
7 × 5 =	35

Aim

- To recall and use multiplication facts for the 5 times table.

Success Criteria

- I can count in 5s.
- I can spot patterns within multiples of 5.
- I can recall multiplication facts up to 12 × 5.