

Lesson 8 – Multiplication & Division – 5 Times Tables

NC Objective:

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

Resources needed:

Differentiated Sheets
Teaching Slides

Vocabulary:

Multiplication, division, counting, equals to, represent

Children can already count in 5s from any given number. They will also have developed understanding of the 2 times-table.

This small step is focused on the 5 times table and it is important to include the use of zero. Children should see the = sign at both ends of the calculation to understand that it means 'equals to'.

Key Questions:

If there are 30 petals, how many flowers?

Can you count in 5s to 30?

How many 5s go into 30?

How many 5s go into 35?

What does each symbol mean?

★ Working Towards

Write the calculations to match the pictures.

1. How many snowflakes are there? $\square \times \square = \square$

2. How many snowflakes are there? $\square \times \square = \square$

3. How many fingers are there? $\square \times \square = \square$

4. How many fingers are there? $\square \times \square = \square$

5. How many snowflakes are there? $\square \times \square = \square$

6. How many fingers are there? $\square \times \square = \square$

7. Use comparison symbols to make the statements correct.

3×5 \bigcirc 5×3

2×3 \bigcirc 4×5

8. Use comparison symbols to make the statements correct.

2×5 \bigcirc 5×2

10×5 \bigcirc 5×5

★★ Working Within

Write the calculations to match the pictures.

1. How many snowflakes are there? $\square \times \square = \square$

2. How many snowflakes are there? $\square \times \square = \square$

3. Can you complete this? There are 45 snowflakes. How many hands? $\square \times \square = 45$

4. Can you complete this? There are 25 fingers. How many hands? $\square \times \square = 25$

5. Use comparison symbols to make the statements correct.

3×5 \bigcirc 5×5

3×4 \bigcirc 2×5

6×5 \bigcirc 5×5

2×5 \bigcirc 5×3

6. Use comparison symbols to make the statements correct.

5×5 \bigcirc 10×4

2×5 \bigcirc 5×2

4×5 \bigcirc 5×5

3×7 \bigcirc 5×4

★★★ Greater Depth

Write the number sentence you have used to work out the answer.

1. There were 10 finger gloves. How many hands were there? $\square \times \square = \square$

2. Christmas trees. In January there were 40 Christmas trees. In February there were 50 Christmas trees. How many Christmas trees were there in total? $\square + \square = \square$

3. Choose a comparison symbol between the answers of the two questions.

4. Use a comparison symbol between the answers of the two questions.

5. How many fingers are there? $\square \times \square = \square$

6. How many fingers are there? $\square \times \square = \square$

7. Use a comparison symbol between the answers of the two questions.

8. Use a comparison symbol between the answers of the two questions.

9. How many fingers are there? $\square \times \square = \square$

10. How many fingers are there? $\square \times \square = \square$

Questions are focused on the 5 times tables and the images provided help the children to understand what number to multiply by 5.

Their knowledge in multiplication is important in comparing the products of the two expressions.

Children picture how many 5s go into a certain number. On this sheet, they learn to complete the missing number for the given equation.

They learn that it is important to get the answers for the two expressions being compared before putting the symbol in between the two expressions.

Word problems on this sheet encourage the children to analyse more than just memorise. They have to think carefully, rather than looking at the pictures presented.

Reasoning & Problem Solving

Egg cartons contain two or five eggs.

Rosie has 14 eggs.

How many of each carton could she have?
How many ways can you do it?

Zach and Tia have both drawn bar models to show 4×5 .

What is the same and what is different about their bar models?

Draw your own bar model to represent 5×5 .

Egg cartons contain two or five eggs.

Rosie has 23 eggs.

How many of each carton could she have?
How many ways can you do it?

Zach and Tia have both drawn bar models to show 6×5 .

Can you complete the bar models?

What is the same and what is different about them?

Draw your own bar model to represent 5×7 .

Egg cartons contain two or five eggs.

Rosie has less than 21 and more than 18 eggs.

How many of each carton could she have?
How many of each carton could she have?
How many ways can you do it?

Zach and Tia have both drawn bar models to show $5 \times 5 =$ three tens and five ones.

Can you complete the bar models?

What is the same and what is different about them?

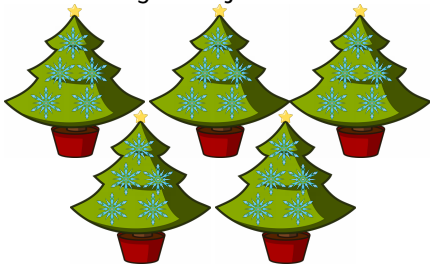
Draw your own bar model to represent 5×8 .



Write the calculations to match the pictures.

①

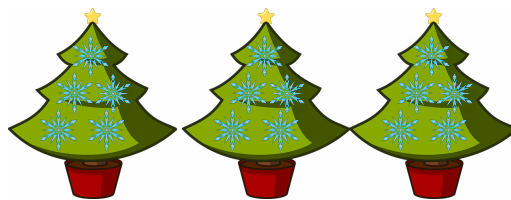
How many snowflakes are there?



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

②

How many snowflakes are there?



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

③

How many fingers are there?



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

④

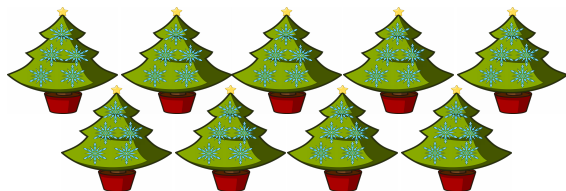
How many fingers are there?



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

⑤

How many snowflakes are there?



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

⑥

How many fingers are there?



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

⑦

Use comparison symbols to make the statements correct.

3×5



5×3

2×3



4×5

⑧

Use comparison symbols to make the statements correct.

2×6



5×3

10×5



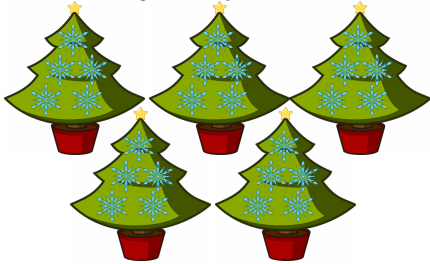
8×5



Write the calculations to match the pictures.

①

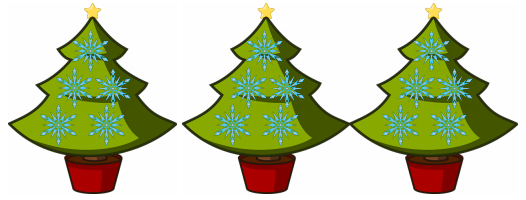
How many snowflakes are there?



$$5 \times 5 = 25$$

②

How many snowflakes are there?



$$3 \times 5 = 15$$

③

How many fingers are there?



$$4 \times 5 = 20$$

④

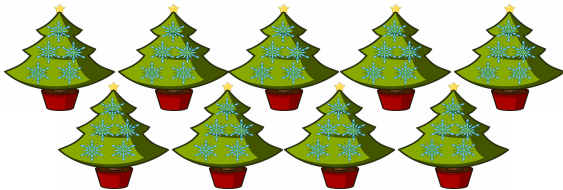
How many fingers are there?



$$2 \times 5 = 10$$

⑤

How many snowflakes are there?



$$9 \times 5 = 45$$

⑥

How many fingers are there?



$$7 \times 5 = 35$$

⑦

Use comparison symbols to make the statements correct.

$$3 \times 5 \quad = \quad 5 \times 3$$

$$2 \times 3 \quad < \quad 4 \times 5$$

⑧

Use comparison symbols to make the statements correct.

$$2 \times 6 \quad < \quad 5 \times 3$$

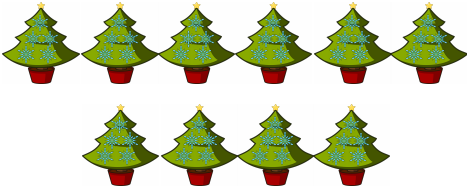
$$10 \times 5 \quad > \quad 8 \times 5$$



Write the calculations to match the pictures.

①

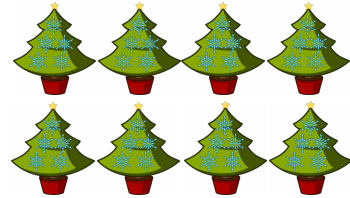
How many snowflakes are there?



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

②

How many snowflakes are there?



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

③

Can you complete this?



There are 40 snowflakes. How many trees are there?

$$\square \times 5 = 40$$

④

Can you complete this?



There are 25 fingers. How many hands are there?

$$\square \times 5 = 25$$

⑤

Use comparison symbols to make the statements correct.

5×9



5×5

3×5



2×5

5×6



6×5

5×8



5×3

⑥

Use comparison symbols to make the statements correct.

8×5



5×8

5×1



5×3

4×5



5×8

7×5



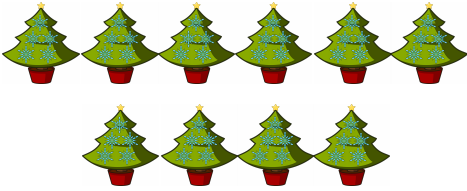
5×4



Write the calculations to match the pictures.

①

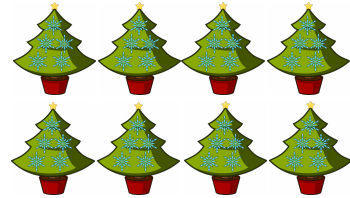
How many snowflakes are there?



$$\boxed{10} \times \boxed{5} = \boxed{50}$$

②

How many snowflakes are there?



$$\boxed{8} \times \boxed{5} = \boxed{40}$$

③

Can you complete this?



There are 40 snowflakes. How many trees are there?

$$\boxed{8} \times \boxed{5} = \boxed{40}$$

④

Can you complete this?



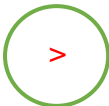
There are 25 fingers. How many hands are there?

$$\boxed{5} \times \boxed{5} = \boxed{25}$$

⑤

Use comparison symbols to make the statements correct.

5×9



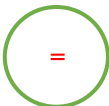
5×5

3×5



2×5

5×6



6×5

5×8

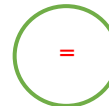


5×3

⑥

Use comparison symbols to make the statements correct.

8×5



5×8

5×1



5×3

4×5



5×8

7×5



5×4

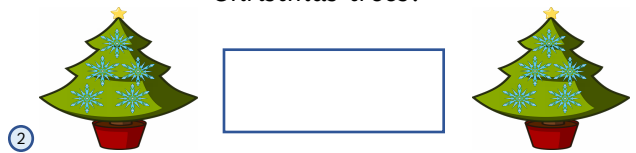


Show the number sentence you have used to work out the answer.

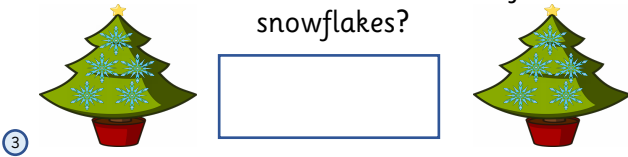
There were 35 fingerprints found in a glass that was transferred from one person to another. How many people touched the glass?



Monique decorates 2 little Christmas trees. In every tree there are 5 snowflakes, how many snowflakes are there in 6 Christmas trees?

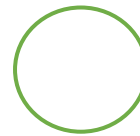


Chloe collected 8 Christmas trees with five snowflakes each. Chris collected a total of 35 snowflakes in total. Who has collected the most number of snowflakes?



Use a comparison symbol between the answers of the two statements.

5s that go into 45.



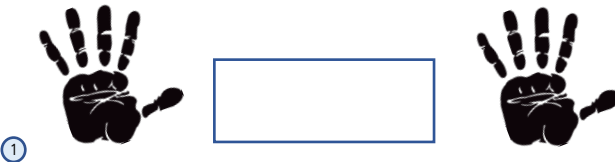
Number of fingers on 2 hands.

④

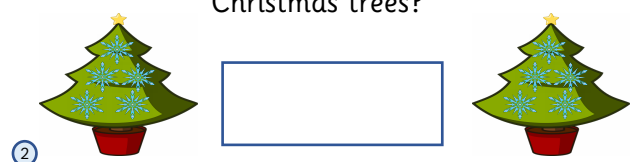


Show the number sentence you have used to work out the answer.

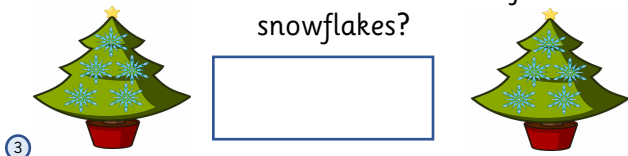
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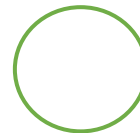


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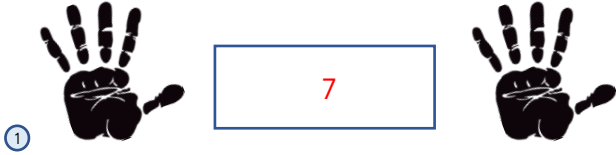
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④



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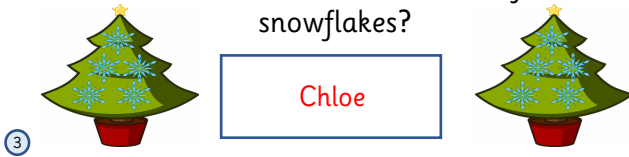
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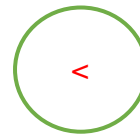


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Number of fingers on 2 hands.

④

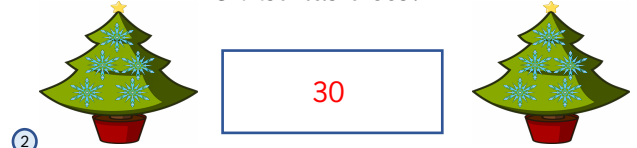


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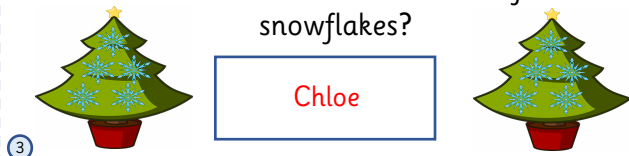
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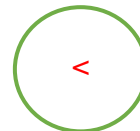


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Number of fingers on 2 hands.

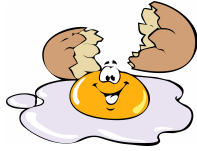
④



Egg cartons contain two or five eggs.



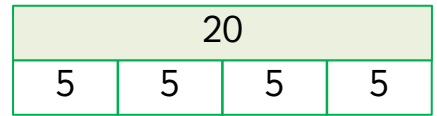
Rosie has 14 eggs.



How many of each carton could she have?

How many ways can you do it?

Zach and Tia have both drawn bar models to show 4×5 .



What is the same and what is different about their bar models?

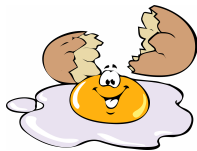
Draw your own bar model to represent 5×5 .



Egg cartons contain two or five eggs.



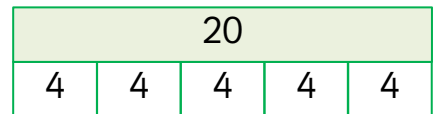
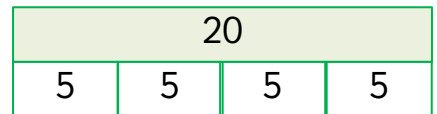
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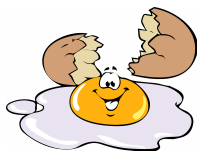
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Egg cartons contain two or five eggs.



Rosie has 14 eggs.

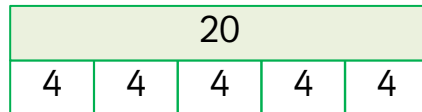
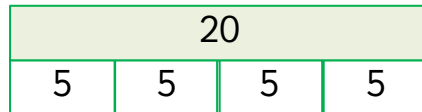


How many of each carton could she have?

How many ways can you do it?

- 1) 2 cartons of 5 and 2 cartons of 2 eggs;
- 2) 0 cartons of 5 and 7 cartons of 2 eggs.

Zach and Tia have both drawn bar models to show 4×5 .



What is the same and what is different about their bar models?

Draw your own bar model to represent 5×5 .

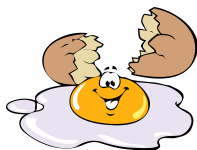
The total shown is the same. Zach's bar shows 4 lots of 5 and Tia's bar shows 5 lots of 4.
There is only one way to represent 5×5 .



Egg cartons contain two or five eggs.



Rosie has 14 eggs.

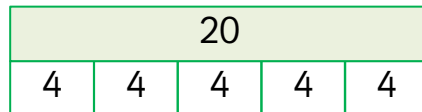
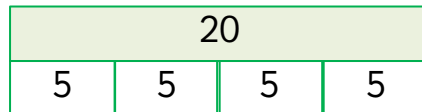


How many of each carton could she have?

How many ways can you do it?

- 1) 2 cartons of 5 and 2 cartons of 2 eggs;
- 2) 7 cartons of 2 eggs.

Zach and Tia have both drawn bar models to show 4×5 .



What is the same and what is different about their bar models?

Draw your own bar model to represent 5×5 .

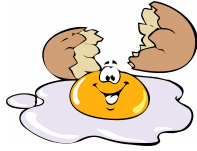
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Egg cartons contain two or five eggs.



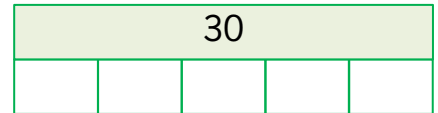
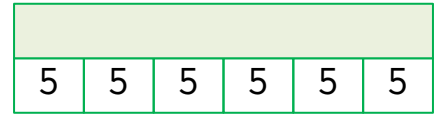
Rosie has 23 eggs.



How many of each carton could she have?

How many ways can you do it?

Zach and Tia have both drawn bar models to show 6×5 .



Can you complete the bar models?

What is the same and what is different about them?

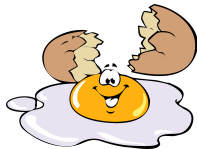
Draw your own bar model to represent 5×7 .



Egg cartons contain two or five eggs.



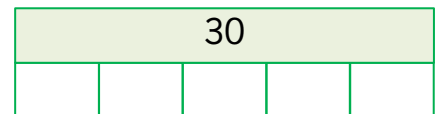
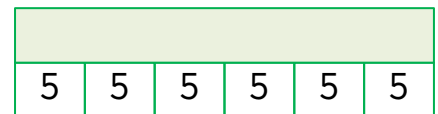
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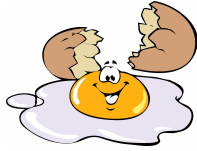
Draw your own bar model to represent 5×7 .



Egg cartons contain two or five eggs.



Rosie has 23 eggs.

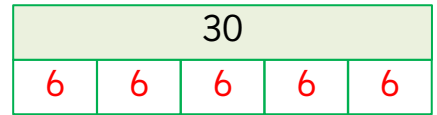
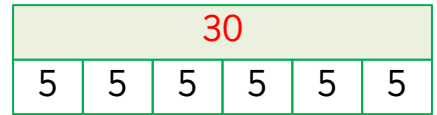


How many of each carton could she have?

How many ways can you do it?

- 1) 3 cartons of 5 and 4 cartons of 2 eggs;
- 2) 1 carton of 5 and 9 cartons of 2 eggs.

Zach and Tia have both drawn bar models to show 6×5 .



Can you complete the bar models?

What is the same and what is different about them?

Draw your own bar model to represent 5×7 .

The total shown is the same. Zach's bar shows 6 lots of 5 and Tia's bar shows 5 lots of 6.

Children can choose either way to represent 5×7 .



Egg cartons contain two or five eggs.



Rosie has 23 eggs.



How many of each carton could she have?

How many ways can you do it?

- 1) 3 cartons of 5 and 4 cartons of 2 eggs;
- 2) 1 carton of 5 and 9 cartons of 2 eggs.

Zach and Tia have both drawn bar models to show 6×5 .



Can you complete the bar models?

What is the same and what is different about them?

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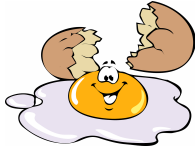
Children can choose either way to represent 5×7 .



Egg cartons contain two or five eggs.



Rosie has less than 21 eggs
and more than 18 eggs.

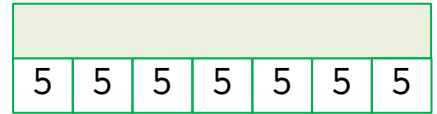


How many eggs could she have?

How many of each carton could she have?

How many ways can you do it?

Zach and Tia have both drawn bar models to
show $___ \times 5 =$ three tens and five ones.



Can you complete the bar models?

What is the same and what is different about them?

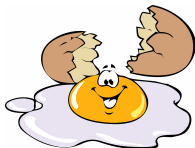
Draw your own bar model to represent 5×8 .



Egg cartons contain two or five eggs.



Rosie has less than 21 eggs
and more than 18 eggs.

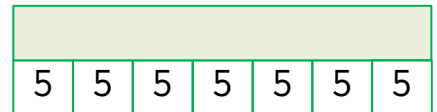


How many eggs could she have?

How many of each carton could she have?

How many ways can you do it?

Zach and Tia have both drawn bar models to
show $___ \times 5 =$ three tens and five ones.



Can you complete the bar models?

What is the same and what is different about them?

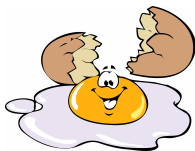
Draw your own bar model to represent 5×8 .



Egg cartons contain two or five eggs.



Rosie has less than 21 and more than 18 eggs.



How many eggs could she have?

Rosie could have 19 eggs or 20 eggs.

How many of each carton could she have?

How many ways can you do it?

If Rosie has:

- 19 eggs, she can have 1 carton of 5 and 7 cartons of 2 or 3 cartons of 5 and 2 cartons of 2;
- 20 eggs, she can have 4 cartons of 5 and 0 cartons of 2 or 2 cartons of 5 and 5 cartons of 2 or 0 cartons of 5 and 10 cartons of 2.

Zach and Tia have both drawn bar models to show $7 \times 5 =$ three tens and five ones.



Can you complete the bar models?

What is the same and what is different about them?

Draw your own bar model to represent 5×8 .

The total shown is the same. Zach's bar shows 7 lots of 5 and Tia's bar shows 5 lots of 7.

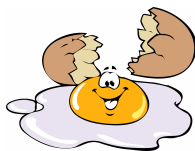
Children can choose either way to represent 5×8 .



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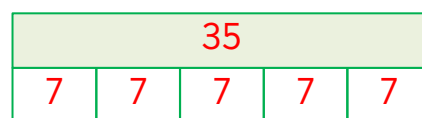
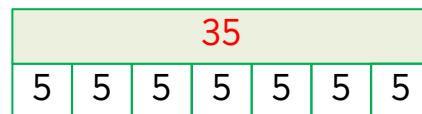
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