Fluent in Five

20+0=

9+9=

19+0=

15+2=

20-0=

19-17=

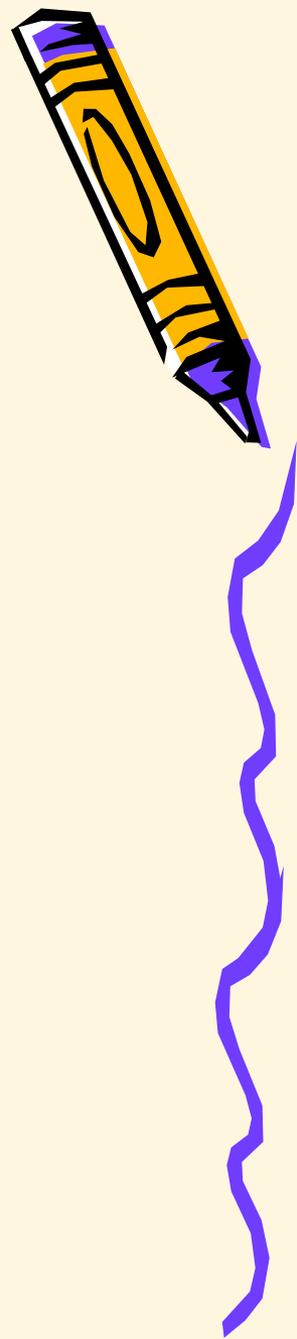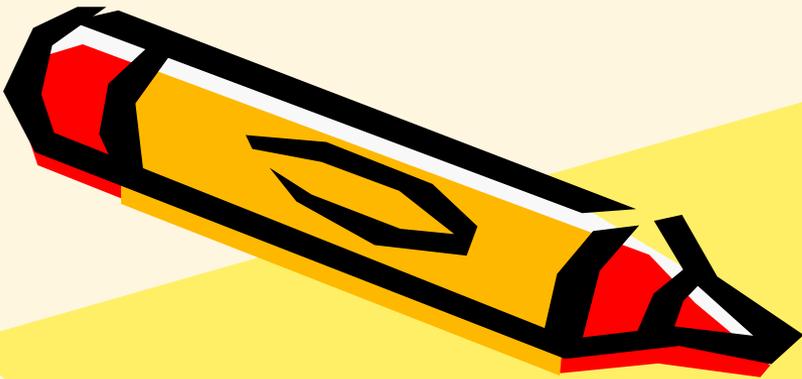7+12=

18+2=

17+3=

20-18=

20-1=

L.I: To recall and use multiplication facts for the 10x table.

Success Criteria

I know how to use resources to support my jottings and record my work.

I understand that I need to count in groups of ten.

I can represent the ten times table as an array and record as multiplication equations.

1 group of 10

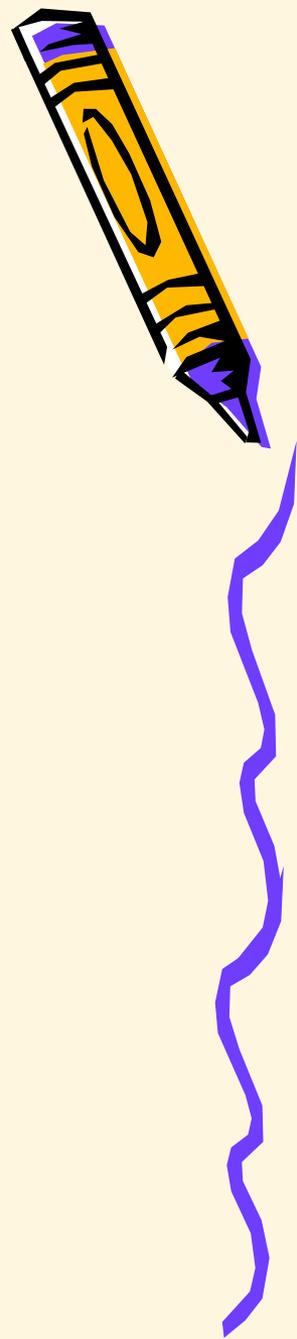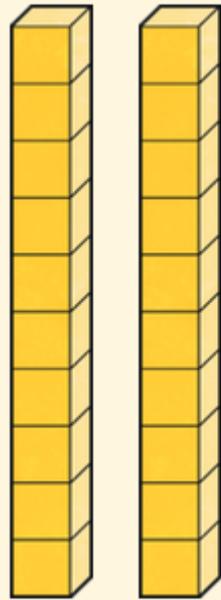(Show one group of 10 using linked cubes) or we could use one stick of ten (diennes)

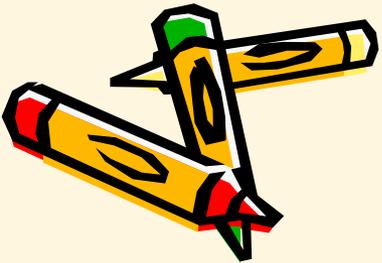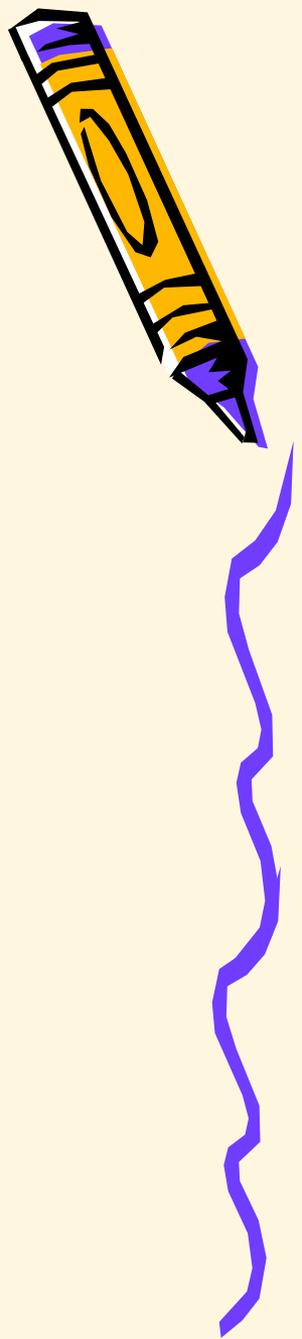$1 \times 10 = 10$

2 groups of 10

Lets use 2 sticks of ten
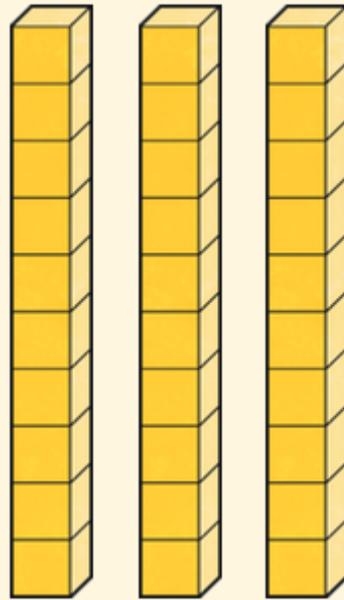
2 x 10 = 20

3 groups of 10

Lets use 3 sticks of ten

3 x 10 = 30

Step 1- do at least 3

Draw an array and write a multiplication to match (work systematically to 5x10)(ensure everyone understands they must draw sets of 10 not 2or 5 as before)

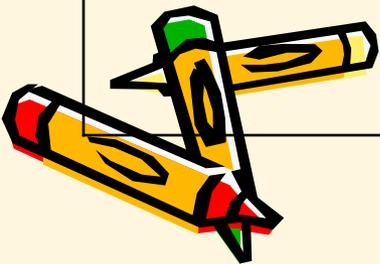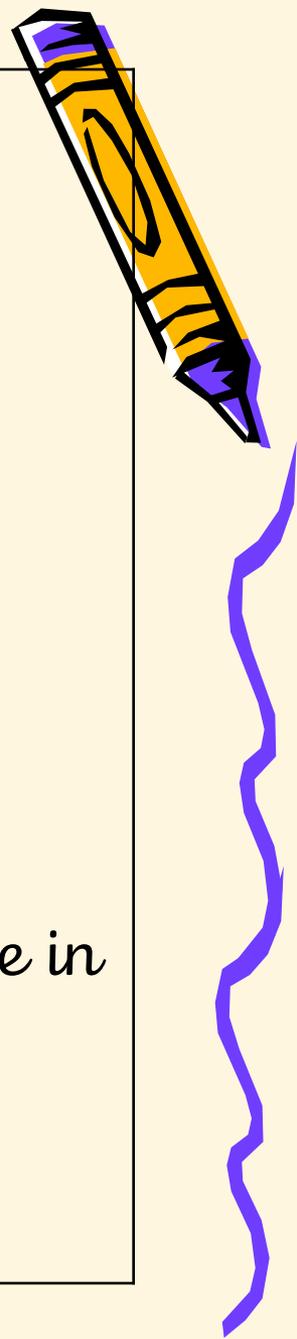## Step 2-do at least 3

Pick a picture of an array. Write a multiplication to match.

Step 3

Match each multiplication to it's answer (SAT's style)

Step 4

Discuss and make observations about patterns you see in the arrays you made in step 1.

Fluent in Five

17+2=

3+16=

14+3=

16-7=

19-1=
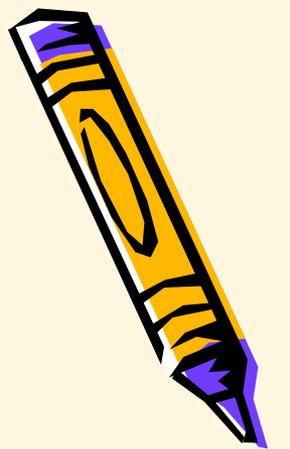
16+4=

20-2=

19-18=

15-5=

19-0=

AFL

There are 4 nests of eggs. There are 10 eggs in each nest. How many eggs altogether?
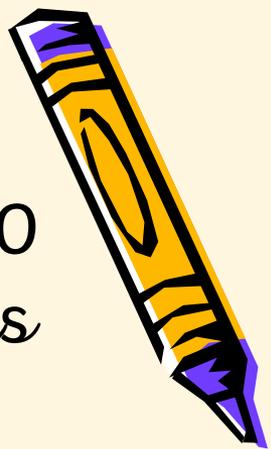
Write a multiplication and solve.

AFL

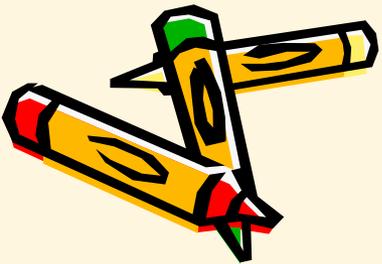There are 6 packs of biscuits. There are 10 biscuits in each pack. How many biscuits altogether?

Write a multiplication and solve.

AFL

There are 8 groups of children on the playground. There are 10 children in each group. How many children altogether?

Write a multiplication and solve.
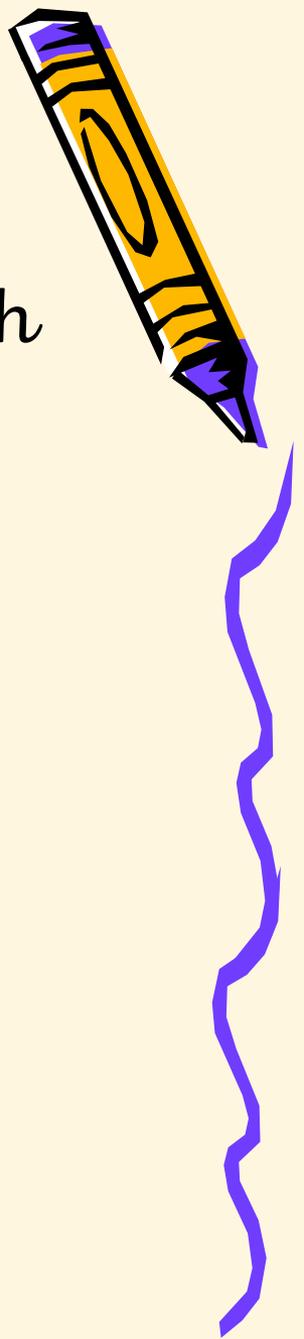
L.I: To solve problems involving multiplication.

Success Criteria

I know how to draw an array and write a multiplication equation.

I understand how to find the important information in a word problem.

I can read and solve word problems by writing a multiplication and drawing an array.

There are 3 children each holding 10 pencil crayons. How many pencil crayons altogether?
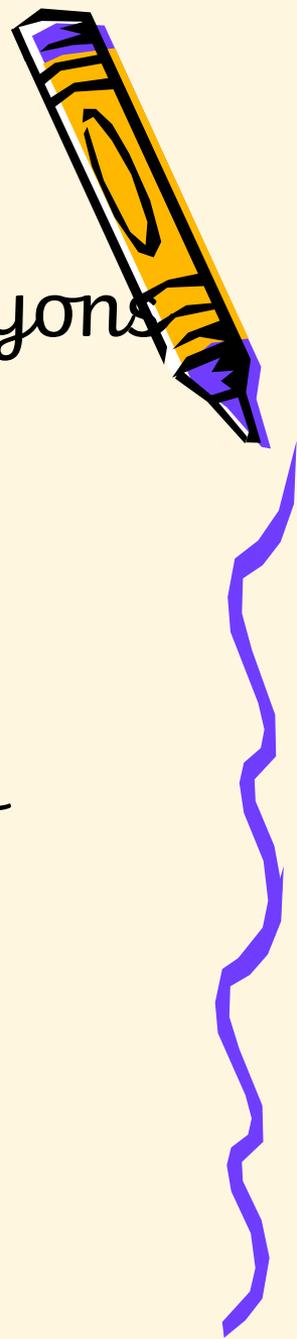
Work step by step.
1. Find the important information.
2. What multiplication do we need to write?
3. How can we solve it?
4. Draw an array to help.
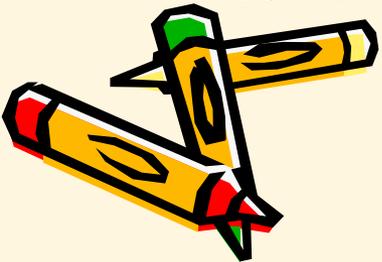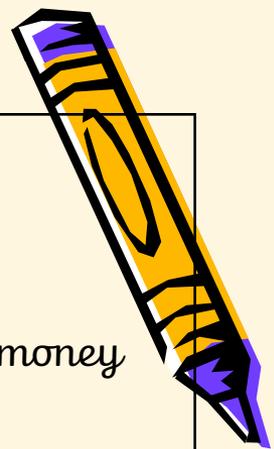
There are 8 children each holding 10 sweets. How many sweets altogether?

Work step by step.
1. Find the important information.
2. What multiplication do we need to write?
3. How can we solve it?
4. Draw an array to help.

Your task

Yellow & Green Group
Solve 10x word problems (yellow group supported with numicon)
Green group drawing arrays to support.
Challenge:
Money challenge, use what you have learnt about x10 to find out how much money you have in 10p coins? Practical work.

Blue Group
Solve x10 word problems (draw arrays to support calculation)
Word problems up to 10x10.

Challenge:
use what you have learnt about x10 to find out how much money you have in 10p coins?
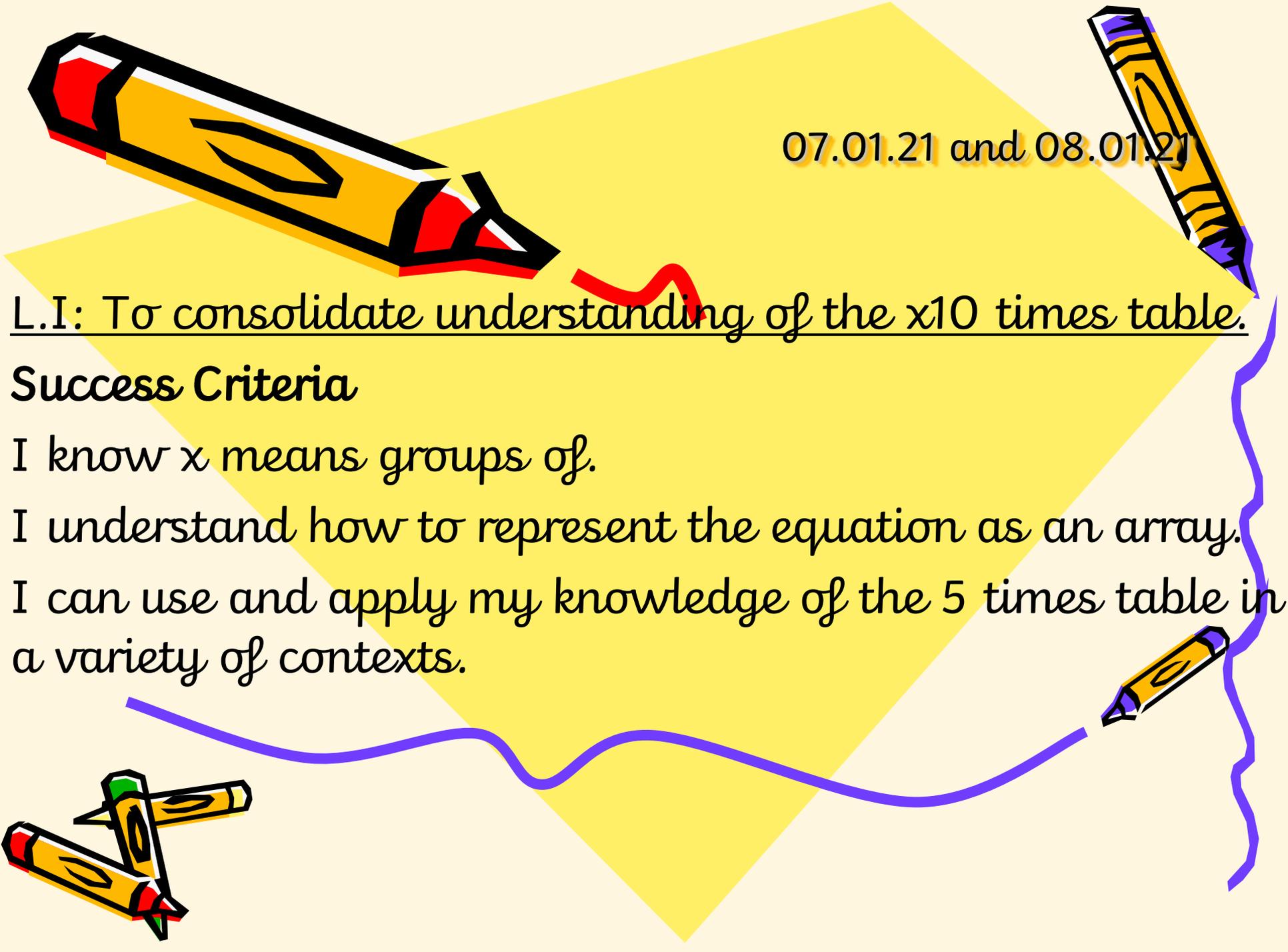
Red Group
Solve x10 word problems discourage drawing arrays and encourage mental ways of working.
Word problems up to 12x10.
Challenge: use what you have learnt about x10 to find out how much money you have in 10p coins? Move this on quickly to mix of 2p, 5p and 10p multiples to apply multiplication knowledge.
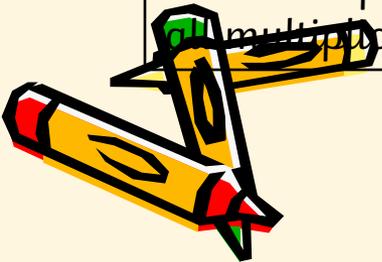
L.I: To consolidate understanding of the x10 times table.

Success Criteria

I know x means groups of.

I understand how to represent the equation as an array.

I can use and apply my knowledge of the 5 times table in a variety of contexts.

Today and Friday we are going to work as a carousel

<u>Thursday</u>

Yellow and green group use laptops to play speed x10 game and complete x10 challenge wheels.

Red and blue group complete thinking Tom challenge and woodlands wizards x10

<u>Friday</u>

Red and blue group use laptops to play speed x10 game and complete x10 challenge wheels.

Yellow and green group complete thinking Tom challenge and woodlands wizards x10

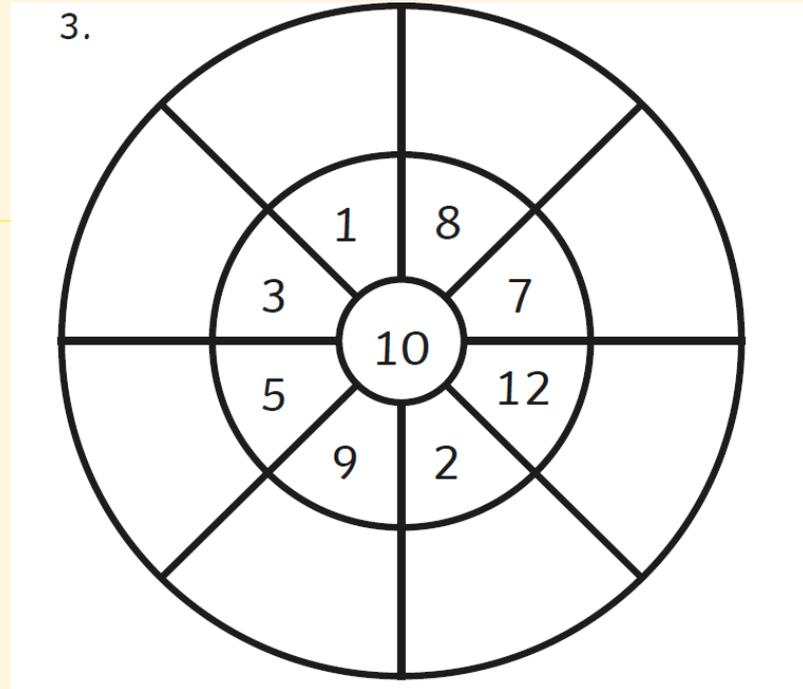This is the x10 game, go through how to play. Set speed challenge

https://www.topmarks.co.uk/maths-games/hit-the-button

Discuss how to solve the x10 multiplication wheel.

Recall strategies and how to draw arrays to solve.

Explain Woodlands Wizards times table challenges and show certificate and how to be awarded it.