

# Year 4 SUPPORT Maths

Remote learning

Week beginning

Monday 8th

January 2021

This pack contains:

- Completed activity for teaching
- 4 lessons with tasks (INSET DAY Friday 12 February 2021)

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

## Lesson 1 - Teaching

Starter: Make three different repeating patterns using objects at home.

Example:



Draw your patterns in your book.

Task: Can I describe and extend pattern sequences?

Look at the patterns on the next page. Can you describe the first pattern?

There are two arrows pointing up followed by 2 arrows pointing right then it repeats.

Can you say what the next 5 objects in the sequence would be?

Arrow pointing up, arrow pointing up, arrow pointing right, arrow pointing right, arrow pointing up.

Draw these objects in your book then try the other patterns.

# Lesson 1 - Activity

Can I describe and  
continue pattern  
sequences?

Draw the next  
5 objects in  
each sequence.

- 1)  $\uparrow\uparrow \Rightarrow \Rightarrow \uparrow\uparrow \Rightarrow \Rightarrow \uparrow\uparrow \Rightarrow \Rightarrow \uparrow\uparrow$
- 2)  $\clubsuit \clubsuit \clubsuit \spadesuit \spadesuit \clubsuit \clubsuit \clubsuit \spadesuit \spadesuit \clubsuit \clubsuit \clubsuit \spadesuit \spadesuit$
- 3)  $\circ \circ \circ \bullet \circ \circ \circ \bullet \circ \circ \circ \bullet \circ \circ \circ \bullet \circ \circ \circ \bullet \circ \circ \circ \bullet \circ \circ \circ$
- 4)  $\otimes \emptyset \emptyset \emptyset \emptyset \emptyset \otimes \emptyset \emptyset \emptyset \emptyset \emptyset$
- 5)  $\pi \pi \pi \Sigma \Sigma \Sigma \pi \pi \pi \Sigma \Sigma \Sigma \pi \pi \pi \Sigma \Sigma \Sigma$
- 6)  $\approx \approx \approx = \approx \approx \approx = \approx \approx \approx = \approx \approx \approx =$
- 7)  $\text{😊 😊 😐 😐 😞 😞 😊 😊 😐 😐 😞 😞 😊}$
- 8)  $\square \square \square \square \square \square \square \square \square \square \square \square$
- 9)  $\bigcirc \bigcirc \bigcirc \bigcirc \odot \odot \bigcirc \bigcirc \bigcirc \bigcirc \odot \odot \bigcirc$
- 10)  $\textcircled{1} \textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5} \textcircled{6} \textcircled{1} \textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5} \textcircled{6} \textcircled{1} \textcircled{2}$
- 11)  $\mathbf{1} \mathbf{1} \mathbf{3} \mathbf{3} \mathbf{5} \mathbf{5} \mathbf{7} \mathbf{7} \mathbf{1} \mathbf{1} \mathbf{3} \mathbf{3} \mathbf{5}$
- 12)  $\square \checkmark \square \checkmark \square \times \square \times \square \times \square \times \square \checkmark \square \checkmark \square \times \square \times \square \times \square \times \square \checkmark$

Answers:  
Ask an adult to check  
your work today.

## Lesson 2 - Teaching

### Starter: Can I complete the pattern sequences?

Objective: to identify patterns

Put the correct symbol in each box.

- ✓ ✓  ★ ✓ ✓ ✓
- ✓ ★ ★ ✓  ★
- ★ ✓ ✓ ★ ★ ✓
- ✓ ★ ✓ ★   ✓

Answers:  
1 Tick  
1 Star  
2 Star  
2 Tick  
Tick  
Star

Task: Can I find out the rule for the sequence of numbers?

Today we have some more patterns but these ones are made up of numbers.

Example: 5 10 15 20 25

To solve the problem you have to work out what to add or take away from the first number to get the second number. Then see if it is the same for the 2<sup>nd</sup> to the 3<sup>rd</sup> number and so on for the sequence.

Example: 5 + 5 = 10, 10 + 5 = 15, 15 + 5 = 20, 20 + 5 = 25 So, the rule is to add 5 each time.

## Lesson 2 - Activity

Can I find out the rule for the sequence of numbers?

What number do you need to add or take away each time to make these number sequences?

1. 1, 2, 3, 4, 5

2. 2, 4, 6, 8, 10,

3. 23, 25, 27,

4. 44, 46, 48,

5. 20, 30, 40,

6. 35, 45, 55,

7. 25, 30, 35, 40,

8. 10, 8, 6,

9. 80, 70, 60,

10. 95, 80, 75,

Answers:  
The rule is:  
1. Add 1  
2. Add 2  
3. Add 2  
4. Add 2  
5. Add 10  
6. Add 10  
7. Add 5  
8. Take away 2  
9. Take away 10  
10. Take away 5

# Lesson 3 - Teaching Can I count in fives?

Starter:  
Complete  
these  
sequences  
by counting  
in fives.

1) 

5	10			25			40
---	----	--	--	----	--	--	----

2) 

20		30				50	
----	--	----	--	--	--	----	--

3) 

45			60	65			
----	--	--	----	----	--	--	--

4) 

30		40			55		
----	--	----	--	--	----	--	--

5) 

25			40				
----	--	--	----	--	--	--	--

6) 

	35			50		60	
--	----	--	--	----	--	----	--

7) 

10		20					
----	--	----	--	--	--	--	--

8) 

	55		65				
--	----	--	----	--	--	--	--

Answers  
Use this sequence to check your answers:  
5 10 15 20 25 30 35 40 45 50  
55 60 65 70 75 80 85 90 95 100

Task: Today, you are going to practise your five times table facts.

# Lesson 3 - Activity

## Can I recall 5x table facts?

Write the answers inside the rocket smoke.

$5 \times 3 =$  15

$5 \times 5 =$

$5 \times 7 =$

$2 \times 5 =$

$6 \times 5 =$

$5 \times 4 =$

$0 \times 5 =$

$8 \times 5 =$

$10 \times 5 =$

$5 \times 1 =$

$5 \times 9 =$

$5 \times 6 =$

$3 \times 5 =$

$5 \times 8 =$

$7 \times 5 =$

$5 \times 10 =$

Answers:  
Use this to check your answers. Remember it doesn't matter whether the question is switched around.  
Example  $4 \times 5$  is the same as  $5 \times 4$   
 $0 \times 5 = 0$   
 $1 \times 5 = 5$   
 $2 \times 5 = 10$   
 $3 \times 5 = 15$   
 $4 \times 5 = 20$   
 $5 \times 5 = 25$   
 $6 \times 5 = 30$   
 $7 \times 5 = 35$   
 $8 \times 5 = 40$   
 $9 \times 5 = 45$   
 $10 \times 5 = 50$

## Lesson 4 - Teaching

### Starter:

Can I count in twos?

Complete these sequences:

2    \_\_\_    \_\_\_    8    \_\_\_    \_\_\_    14    \_\_\_    \_\_\_    20

6    \_\_\_    10    \_\_\_    14    \_\_\_    18    \_\_\_    22    \_\_\_

10    \_\_\_    \_\_\_    16    \_\_\_    \_\_\_    \_\_\_    24    \_\_\_

12    \_\_\_    \_\_\_    \_\_\_    20    \_\_\_    \_\_\_    \_\_\_    28

20    \_\_\_    24    \_\_\_    26    \_\_\_    \_\_\_    \_\_\_    \_\_\_

Answers  
Use this sequence to check you answers.  
2 4 6 8 10 12 14 16 18 20  
22 24 26 28 30 32 34 36 38 40

Task: You will be finding the rules for a sequence of numbers again but this time you have to continue the sequence as well by writing the next four numbers in each sequence.



# Lesson 4 - Activity

Worksheet 1: Can I describe and complete number sequences?

Add or subtract 1, 2, 3, 5 or 10 to complete each number sequence.

3, 4, 5, 6, 7, __, __, __, __	The rule is: _____
2, 4, 6, 8, 10, __, __, __, __	The rule is: _____
5, 10, 15, 20, 25, __, __, __, __	The rule is: _____
10, 20, 30, 40, __, __, __, __	The rule is: _____
3, 6, 9, 12, 15, __, __, __, __	The rule is: _____
19, 18, 17, 16, __, __, __, __	The rule is: _____
15, 20, 25, 30, __, __, __, __	The rule is: _____
20, 18, 16, 14, __, __, __, __	The rule is: _____

If you have enjoyed this activity and would like to try another one with more challenging sequences, look on the next page.

Answers  
8 9 10 11 Add 1  
12 14 16 18 Add 2  
30 35 40 45 Add 5  
50 60 70 80 Add 10  
18 21 24 27 Add 3  
15 14 13 12 Take 1  
35 40 45 50 Add 5  
12 10 8 6 Take 2

# Lesson 4 - Activity

Worksheet 2: Can I describe and complete number sequences?

Add or subtract 2, 3, 4, 5 or 10 to complete each number sequence.

3, 6, 9, 12, 15, __, __, __, __	The rule is: _____
4, 8, 12, 16, __, __, __, __	The rule is: _____
12, 15, 18, 21, __, __, __, __	The rule is: _____
80, 70, 60, 50, __, __, __, __	The rule is: _____
5, 10, 15, 20, 25, __, __, __, __	The rule is: _____
36, 33, 30, 27, __, __, __, __	The rule is: _____
21, 24, 27, 30, __, __, __, __	The rule is: _____
35, 45, 55, 65, __, __, __, __	The rule is: _____
20, 24, 28, 32, __, __, __, __	The rule is: _____
40, 38, 36, 34, __, __, __, __	The rule is: _____

Answers  
 18 21 24 27 Add 3  
 20 24 28 32 Add 4  
 24 27 30 33 Add 3  
 40 30 20 10 Take 10  
 30 35 40 45 Add 5  
 24 21 18 15 Take 3  
 33 36 39 42 Add 3  
 75 85 95 105 Add 10  
 36 40 44 48 Add 4  
 32 30 28 26 Take 2