TERM 1:WEEK 10

Mathematics Lessons

LESSON 1

Review:
Ask your child what they remember about the last lesson. Ask your child to skip count in sixes using the clockface, starting from 3 to 99. *[Answer: 3, 9, 15, 21, 27, 33, 39, 45, 51, 57, 63, 69, 75, 81, 87, 93, 99]*

Lesson Setup:
Today we are going to again revise subtraction sums up to 50.

Resources needed:
- 50 sticks
- Whiteboard and marker

The Lesson:
Lay out the 50 sticks on the table in five rows of ten sticks. Ask your child to take away nine sticks. How many remain? *[Answer: 41 sticks]* Ask your child to write the subtraction sum on the whiteboard. *[Answer: 50 – 9 = 41]* What would be the answer if you take away 41 from 50? *[Answer: 9]*

Take away another seven sticks from the table so that there are 16 sticks in total removed. Ask your child to write the subtraction sum on the whiteboard. *[Answer: 50 – 16 = 34]* Make sure your child can use different techniques to work out these subtraction sums, for example in the previous example, your child can subtract the 10 from 50 first, leaving them with 40 and then subtract the 6, giving the answer 34.

Now ask your child to answer the following sums orally, using the sticks as needed:
- A ship needs 30 life boats before it can board passengers. It only has 25. How many is it short? *[Answer: 5]*
- What is 42 – 10? *[Answer: 32]*
- How much must we add to 19 to get to 40? *[Answer: 21]*

Exercises:
- How much must we add to 27 to get to 50? *[Answer: 23]*
- How much is 15 short of 39? *[Answer: 24]*
- A fisherman needs to catch 43 fish to be able to sell them at the market. If he has caught 20 so far, how many more must he catch? *[Answer: 23]*

LESSON 2

Review:
Ask your child what they remember about the last lesson. I need to place 48 stones along my garden path. I've placed 19 so far. How many more must I place? *[Answer: 27]*

Lesson Setup:
Today we will revise the two times tables again and play a card game.

Resources needed:
- Grid notebook and pencil
- Five counters
- Deck of playing cards

The Lesson:
Ask your child to open up their grid notebook to the two times table they wrote down before. Give your child a few minutes to study the table and visualise it. Ask them to read aloud the times table once from 1 X 2 all the way to 18 X 2. As they read, they should try to picture the sum in their minds using sticks or counters e.g. 3 X 2 could be pictured as three groups of two sticks.

Use the counters to cover any five random numbers on the times table and ask your child to tell you which numbers are covered. Repeat the exercise by covering five other numbers.

Follow the instructions on this page https://www.weareteachers.com/math-card-games/ to play card game "2: Race to 100".

Exercises:
Write the answers to the following sums in your grid notebook:
- 2 X 13   *[Answer: 26]*
- 7 X 2   *[Answer: 14]*
- 2 X 15   *[Answer: 30]*
- 4 X 2   *[Answer: 8]*

LESSON 3

Review:
Ask your child what they remember about the last lesson. A flower has 6 petals. How many petals will two flowers have? *[Answer: 12]*

Lesson Setup:
We are going to use the clockface technique today to learn to skip count in sevens from any number.

Resources needed:
- Whiteboard and marker
- Hundred Square

The Lesson:
Ask your child to skip count in sevens from the number 7 to 98, using the Hundred Square if needed. As they count, let them write the numbers on the whiteboard. They should have the following sequence written down:

7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98

We are now going to learn a method of skip counting in sevens from any number by using the clockface we used previously.

Let's start with the sequence your child just wrote down. Ask them to find the number 7 on the clockface. Now they must point to every number while working anticlockwise around the clock, while reading the sequence of numbers they wrote down. The number on the clockface will always match the last digit of the number in the sequence.
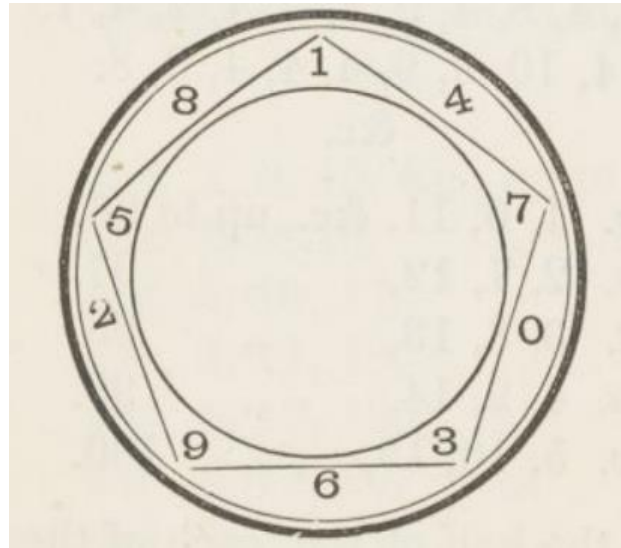
Now ask your child to find the number 1 on the clockface. Ask your child to skip count in sevens from the number 1 to 99 moving anticlockwise around the clockface.
[Answer: 1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99]

Ask your child to add up the following series of numbers. Write them on the whiteboard first and then ask them to add the series aloud using the technique practised before.

7, 5, 2, 5, 5, 4, 3, 4, 5, 1, 5, 10

[Answer: 7, 12, 14, 19, 24, 28, 31, 35, 40, 41, 46, 56; Final total = 56]

Exercises*:*
- Skip count in sixes starting from 4 to 100. As far as possible, try not to look at the clockface while counting. *[Answer: 4, 10, 16, 22, 28, 34, 40, 46, 52, 58, 64, 70, 76, 82, 88, 94, 100]*
- Skip count in sevens starting from 2 to 100. As far as possible, try not to look at the clockface while counting. *[Answer: 2, 9, 16, 23, 30, 37, 44, 51, 58, 65, 72, 79, 86, 93, 100]*

LESSON 4

Review:
Ask your child what they remember about the last lesson. Ask your child to count in sevens using the clockface, starting from "3" to "94". *[Answer: 3, 10, 17, 24, 31, 38, 45, 52, 59, 66, 73, 80, 87, 94]*

Lesson Setup:
Today we are going to revise odd and even numbers up to 50 and we will revise the numbers of days in each month. Watch this video: https://www.youtube.com/watch?v=-d3jkbP1xc8 to revise the 12 months of the year.

Resources needed:
- 2022 calendar
- Hundred Square

The Lesson:
Point at the third row of the Hundred Square (the one beginning with "21"). Ask your child to read out all the even numbers in this row. *[Answer: 22, 24, 26, 28, 30]* Now point at the sixth row of the Hundred Square (the one beginning with "51"). Ask your child to read out all the odd numbers in this row. *[Answer: 51, 53, 55, 57, 59]* Point at the number "36" and ask your child if the number is odd or even. *[Answer: even]* Point at the number "93" and ask your child if the number is odd or even. *[Answer: odd]*

Ask your child to recite the rhyme "30 days have September". If they struggle, ask them to read the rhyme below:
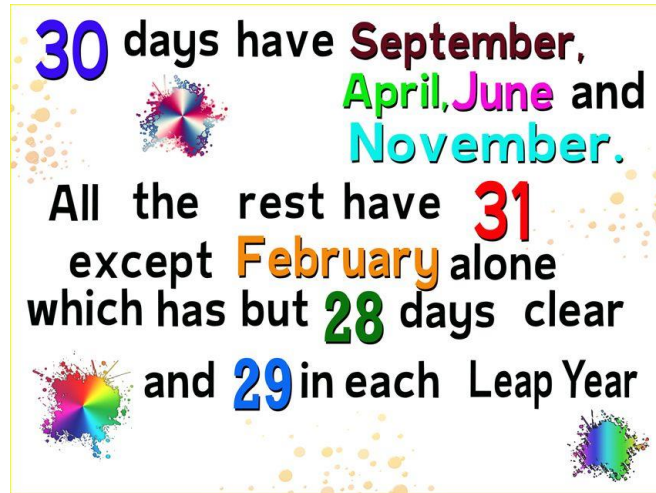
Based on the rhyme, ask your child to tell you how many days the following months have. They can double-check on the calendar.
- October *[Answer: 31]*
- June *[Answer: 30]*

Exercises:
- How many days do the following months have?
  - March *[Answer: 31]*
  - April *[Answer: 30]*
- Are the following numbers odd or even?
  - 90 *[Answer: even]*
  - 12 *[Answer: even]*
  - 33 *[Answer: odd]*

LESSON 5

Review:
Ask your child what they remember about the last lesson. If it's the 22nd of December today, how many more days until the end of the month? *[Answer: 9]*

Lesson Setup:
We will revise ordinal numbers today and complete an addition and subtraction picture puzzle.

Resources needed:
- Whiteboard and marker

The Lesson:

Below is a picture of a row of people waiting at a bus stop. Ask your child to point to the first person in the row (Kate) and say the ordinal numbers in order from "first" to "tenth" while pointing at each person. *[Answer: first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth]*

| KATE | LIZ | MR BORIS | MARY | SUSAN | JAMES | TIM | HELEN | MRS GREY | JANET |
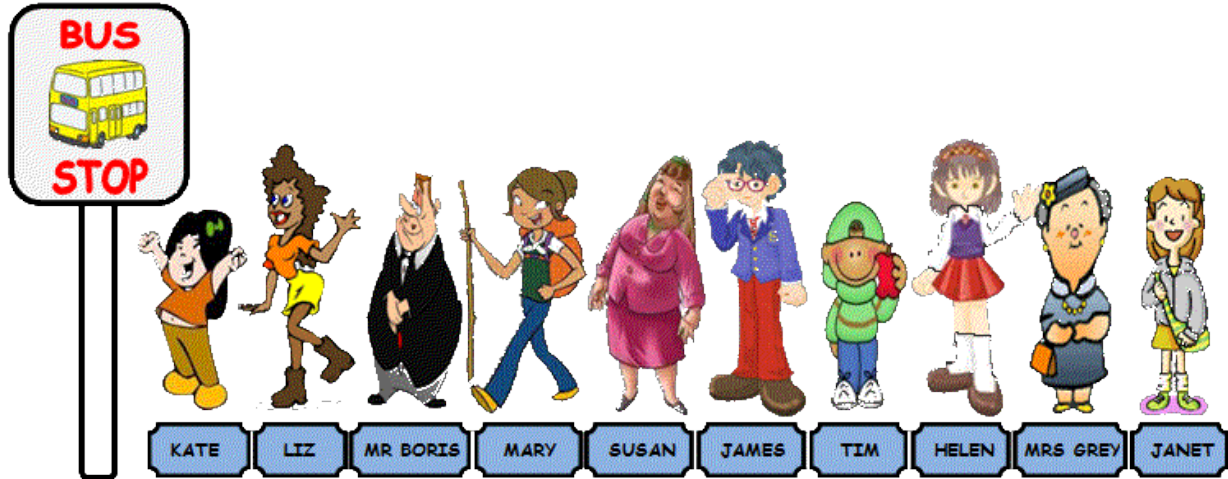
Ask your child what position James is in the row. *[Answer: sixth]* Remind your child how to write the ordinal numbers by writing the following on the whiteboard:
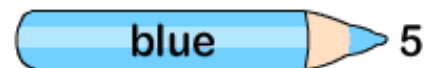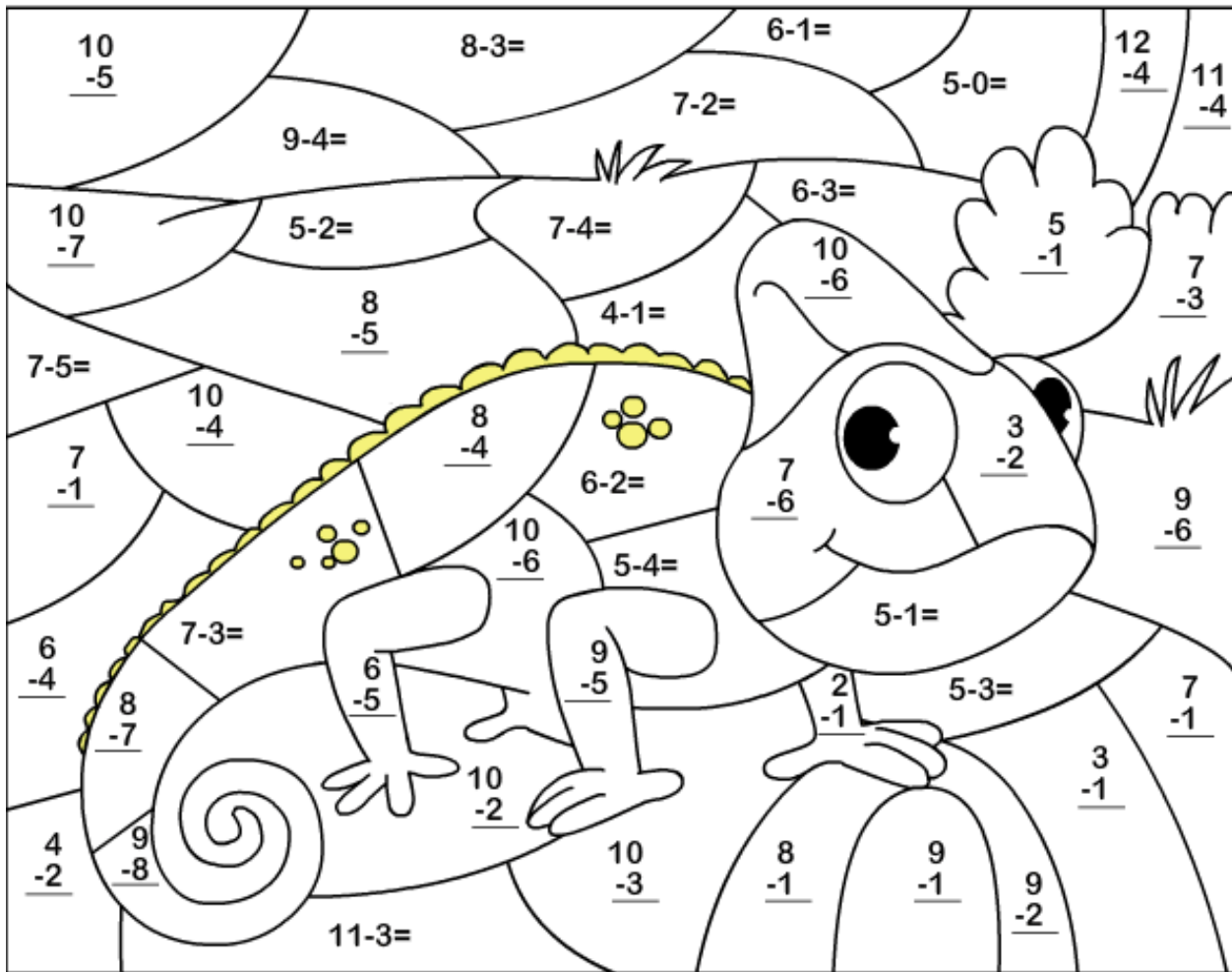
$$6^{th} \qquad sixth$$

Now ask your child to write down the ordinal number for each of the following people in the row:

- Helen   *[Answer: 8th or eighth]*
- Mr Boris   *[Answer: 3rd or third]*

Complete the addition and subtraction picture puzzle below:

Subtract the given numbers and color the picture.

10 -5	8-3=
9-4=	6-1=
	7-2= 5-0=
	12 -4 11 -4
10 -7	5-2= 7-4=
	6-3=
	10 -6 5 -1
	7 -3
8 -5	4-1=
7-5=	
10 -4	8 -4
7 -1	6-2= 7 -6 3 -2
	9 -6
10 -6	5-4=
	5-1=
7-3=	9 -5
6 -4	6 -5
8 -7	2 -1 5-3= 7 -1
	3 -1
	10 -2
4 -2 9 -8	10 -3 8 -1 9 -1 9 -2
11-3=	

green 1,4
pink 9
gray 2,6
yellow 3
blue 5
brown 7,8

Exercises:
- Write the number word for the ordinal numbers below:
  - 1st *[Answer: first]*
  - 10th *[Answer: tenth]*
- In which position are the following people in the bus stop row above:
  - Liz *[Answer: 2nd or second]*
  - Mrs Grey *[Answer: 9th or ninth]*