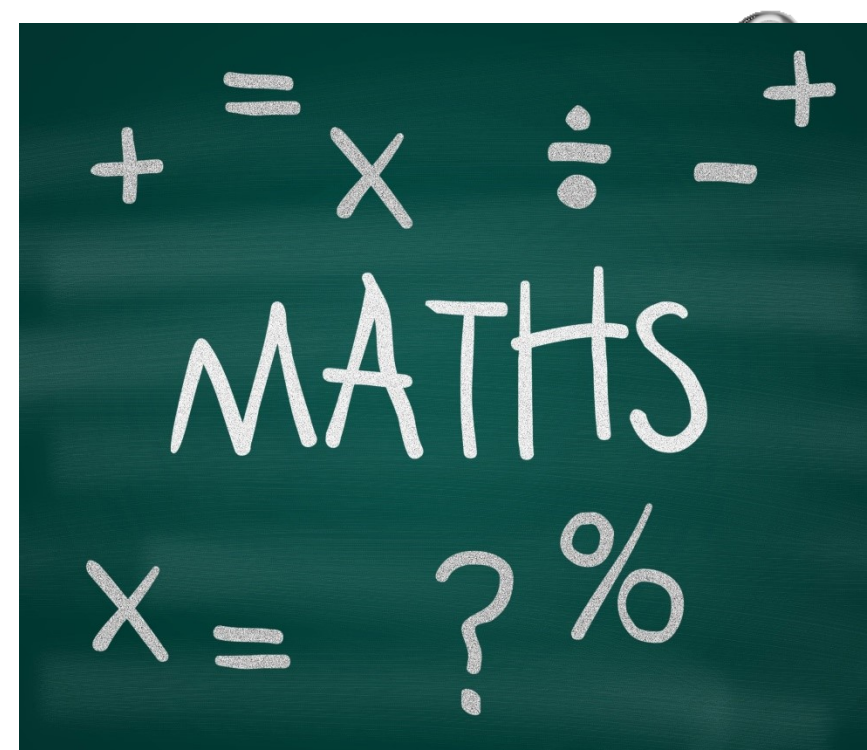
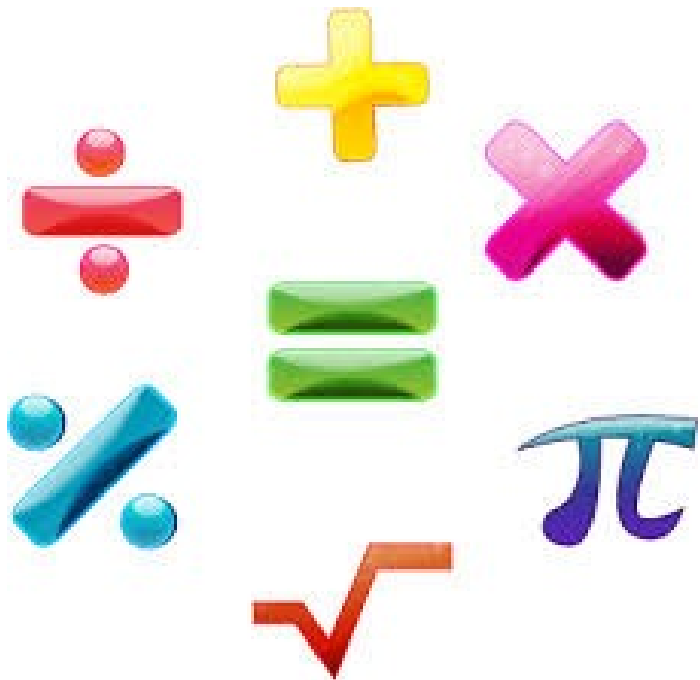




# MATHS IN YEARS 1 & 2

KS1 WORKSHOP 2018





# PROBLEM

## YEAR 1

SARAH IS FILLING PARTY BAGS WITH SWEETS. SHE HAS 20 SWEETS ALTOGETHER AND DECIDES TO PUT 5 IN EVERY BAG. HOW MANY BAGS CAN SHE FILL?

HOW ELSE COULD THE 20 SWEETS BE PUT INTO BAGS SO THAT EVERY BAG HAD THE SAME NUMBER OF SWEETS?

## YEAR 2

TOGETHER ROSIE AND JIM HAVE £12. ROSIE HAS TWICE AS MUCH AS JIM. HOW MUCH DOES JIM HAVE?

# FLUENCY

- YEAR 1 CONTINUE THE PATTERN

2, 4, 6, 8, ? ? ?

15, 20, 25, 30, ? ? ?

80, 70, 60, ? ? ?

18, 16, 14, ? ? ?

- YEAR 2 CIRCLE THE ODD ONE OUT

20, 18, 17, 14, 12, 10

10, 15, 19, 25, 30

3, 8, 13, 18, 23, 27, 33

12, 15, 18, 20, 24

FILL IN THE MISSING NUMBERS

6		10			16
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10		30	40		60
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A FLOWER HAS 6 PETALS. HOW MANY PETALS

DO 3 FLOWERS HAVE?

FILL IN THE MISSING NUMBERS

16		36	46		66
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# REASONING

## YEAR 1

I START AT 2 AND COUNT UP IN TWOS. I WILL SAY THE NUMBER 9. TRUE OR FALSE? WHY?

I AM GOING TO COUNT ON IN TWOS FROM 3. WILL I SAY AN EVEN NUMBER? PROVE IT.

I AM GOING TO COUNT BACK IN TWOS FROM 20. HOW MANY STEPS WILL IT TAKE ME TO REACH 0? CONVINC ME.

## YEAR 2

WHAT IS WRONG WITH THIS SEQUENCE OF NUMBERS? 55, 50, 45, 35 PLEASE EXPLAIN.

I START AT 0 AND COUNT ON IN 3'S. I SAY THE NUMBER 14. TRUE OR FALSE?

WHAT COMES NEXT?  $21+5=26$

$$26+5=31$$

$$31+5=36$$

HOW DO YOU KNOW? EXPLAIN.

WHICH HAS THE MOST? 4 PACKETS OF BISCUITS WITH 5 IN EACH PACK OR 3 PACKETS OF BISCUITS WITH 10 IN EACH PACK. PROVE IT.

# PROBLEM SOLVING

## YEAR 1

THERE ARE 2 FLOWERS IN EACH POT. HOW MANY FLOWERS ARE THERE IN 10 POTS?

IN NOAH'S ARK, THE ANIMALS WENT IN 2 BY 2. IF THERE WERE 30 ANIMALS ON THE ARK, HOW MANY PAIRS OF ANIMALS WERE THERE?

ZIG AND ZAG ARE ALIENS. ZIG EATS MULTIPLES OF 2. ZAG EATS MULTIPLES OF 5. WHICH NUMBERS WOULD THEY EAT? ARE THERE ANY NUMBERS THEY WOULD BOTH EAT?

2, 5, 8, 10, 15, 20

\* A multiple is a number that can be divided by another number a certain number of times without a remainder.

## YEAR 2

A SPIDER IS CLIMBING A 30M BUILDING. EACH DAY IT CLIMBS 5M AND SLIDES BACK DOWN 1M. HOW MANY DAYS WILL IT TAKE TO REACH THE TOP?

SID IS COUNTING IN 2'S. LUKE IS COUNTING IN 3'S. SID SAYS 'IF WE ADD OUR NUMBERS TOGETHER AS WE COUNT WE CAN MAKE A NEW PATTERN' WHAT PATTERN DO THEY MAKE?

TED BUYS 4 BOOKS FOR £2 EACH AND 3 BOOKS FOR £3 EACH. IF HE HAS A £20 NOTE, HOW MUCH CHANGE WILL HE GET? PROVE IT.

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