## Stage 2 <br> PROMPT sheet

2/1 Know the 2, 3,5, 10 times tables

| 0 | X | 2 | = | 0 |
| :---: | :---: | :---: | :---: | :---: |
| 1 | x | 2 | = | 2 |
| 2 | x | 2 | $=$ | 4 |
| 3 | x | 2 | $=$ | 6 |
| 4 | x | 2 | $=$ | 8 |
| 5 | x | 2 | $=$ | 10 |
| 6 | x | 2 | $=$ | 12 |
| 7 | x | 2 | $=$ | 14 |
| 8 | x | 2 | $=$ | 16 |
| 9 | x | 2 | $=$ | 18 |
| 10 | x | 2 | $=$ | 20 |
| 11 | $x$ | 2 | $=$ | 22 |
| 12 | x | 2 | $=$ | 24 |
| 0 | x | 5 | = | 0 |
| 1 | x | 5 | = | 5 |
| 2 | x | 5 | = | 10 |
| 3 | x | 5 | $=$ | 15 |
| 4 | x | 5 | $=$ | 20 |
| 5 | x | 5 | $=$ | 25 |
| 6 | x | 5 | = | 30 |
| 7 | x | 5 | = | 35 |
| 8 | x | 5 | = | 40 |
| 9 | x | 5 | $=$ | 45 |
| 10 | x | 5 | $=$ | 50 |
| 11 | x | 5 | $=$ | 55 |
| 12 | x | 5 | $=$ | 60 |


| 1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 0 | x | 0 | $=$ | 0 |
|  |  | 1 |  |  |
| 1 | x | 0 | $=$ | 10 |
|  |  | 1 |  |  |
| 2 | x | 0 | $=$ | 20 |
|  |  | 1 |  |  |
| 3 | x | 0 | $=$ | 30 |
|  |  | 1 |  |  |
| 4 | x | 0 | $=$ | 40 |
|  |  | 1 |  |  |
| 5 | x | 0 | $=$ | 50 |
|  |  | 1 |  |  |
| 6 | x | 0 | $=$ | 60 |
|  |  | 1 |  |  |
| 7 | x | 0 | $=$ | 70 |
|  |  | 1 |  |  |
| 8 | x | 0 | $=$ | 80 |


| 1 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 9 |  | 0 |  | $=$ | 90 |
| 1 |  | 1 |  |  | 10 |
| 0 | x | 0 |  | $=$ | 0 |
| 1 |  | 1 |  |  | 11 |
| 1 | x | 0 |  |  | 0 |
| 1 |  | 1 |  |  | 12 |
| 2 | $x$ | 0 |  | $=$ | 0 |
| 0 | $x$ | $x$ | 3 |  | 0 |
| 1 | x | x | 3 | = | 3 |
| 2 | x | x | 3 | = | 6 |
| 3 |  | x | 3 | = | - |
| 4 | x | x | 3 | $=$ | 12 |
| 5 | x | $x$ | 3 | = | 15 |
| 6 | x | $x$ | 3 | = | 18 |
| 7 |  | $x$ | 3 | = | 21 |
| 8 |  | $x$ | 3 | = | 24 |
| 9 |  | x | 3 | = | 27 |
| 10 |  | $x$ | 3 | = | 30 |
| 11 |  | $x$ | 3 | = | 33 |
| 12 |  | $\times$ | 3 | = | 36 |

Count in 10s

| $\dagger$ | $u$ |
| :--- | :--- |
| $e$ | $n$ |
| $n$ | $i$ |
| $s$ | $t$ |
|  | $s$ |
| 3 | 7 |

Counting up in tens this digit changes:
$\begin{array}{llllll}37 & 47 & 57 & 67 & 77 & 87\end{array}$

| $\dagger$ | $u$ |
| :---: | :---: |
| $e$ | $n$ |
| $n$ | $i$ |
| $s$ | $t$ |
|  | $s$ |
| 2 | 8 |

2/2 Place value

28 means 2 tens and 8 units (ones) 20 and 8
2/3 Estimate numbers

- Eyeball estimate

Here are 3
sweets

Use this to estimate larger amounts


Fill in the half way number first Then split up the half with the arrow 7

0
10

$$
\begin{array}{lllll}
5 & 6 & 7 & 8 & 9
\end{array}
$$

12
10 20
$\begin{array}{llll}11 & 12 & 13 & 1415\end{array}$

## 2/4 Order numbers

| Ten | Unit |
| :---: | :---: |
| 3 | 7 |
| 3 | 2 |
| 7 | 6 |
| 6 | 2 |

- Begin at the tens and compare

76 is the biggest
62 is next biggest

| Ten | Unit |
| :---: | :---: |
| 3 | 7 |
| 3 | 2 |
| 7 | 6 |
| 6 | 2 |

- Move to the units and compare

Order is: $\begin{array}{llll}76 & 62 \quad 37 & 32\end{array}$

## 2/4 (continued) Inequality symbols



2/5 Numbers in figures and words

| 1 | one |
| :--- | :--- |
| 2 | two |
| 3 | three |
| 4 | four |
| 5 | five |
| 6 | six |
| 7 | seven |
| 8 | eight |
| 9 | nine |$\quad$| 11 | eleven |
| :--- | :--- |
| 12 | twelve |
| 13 | thirteen |
| 14 | fourteen |
| 15 | fifteen |
| 16 | sixteen |
| 17 | seventeen |
| 18 | eighteen |
| 19 |  |


| 20 | twenty |
| :--- | :--- |
| 21 | twenty one |
| 22 | twenty two |
| 23 | twenty three |
| 24 | twenty four |
| 25 | twenty five |
| 26 | twenty six |
| 27 | twenty seven |
| 28 | twenty eight |
| 29 | twenty nine |


| 30 | thirty |
| :--- | :--- |
| 40 | forty |
| 50 | fifty |
| 60 | sixty |
| 70 | seventy |
| 80 | eighty |
| 90 | ninety |

## 2/6 Addition \& subtraction problems Words for ADD



## Words for SUBTRACT


期


Addition facts to 20

| $10+10$ | $11+9$ | $12+8$ | $13+7$ | $14+6$ |
| :--- | :--- | :--- | :--- | :--- |
| $15+5$ | $16+4$ | $17+3$ | $18+2$ | $19+1$ |
|  |  |  |  |  |
|  | $20+0$ |  |  |  |
|  |  |  |  |  |

Subtraction is the inverse of addition


5

$2=$


3


5


5 - $3=$


2

$28-3=25$
28 $\frac{3}{25}-$


28
10 -
$\underline{18}$


28

- 13
$=15$
28
13 -
15
2/9 Add \& subtact
$7+3=10$ is the same as $3+7$
$10-7=3$ is NOT the same as $7-10$


## 2/10 Add \& subtract

Fact family for add and subtract
13
$+7=20$

20
$+8=28$
$20-13=7$
$2 / 11 \quad 2,5,10$ times tables

- See 2/1

Odds \& even numbers

- Even numbers - can be paired up


Tip - the last digit always $\begin{array}{lllll}0 & 2 & 4 & 6 & 8\end{array}$

- Odd numbers - cannot be paired up


Tip - the last digit always $\begin{array}{lllll}1 & 3 & 5 & 7 & 9\end{array}$

## 2/12 Multiply \& divide

Words for MULTIPLY
times product double triple

Words for DIVIDE
share split

Words for EQUALS
is
gives

Fact family for multiply and divide

$$
7 \times 5=35
$$

$35 \div 5=7 \quad 35 \div 7=5$
$7 \times 5=35$ is the same as $5 \times 7$
$35 \div 7=5$ is NOT the same as $7 \div 35$

## 2/14 Multiply \& divide

Example1: Here are 20 sweets to share Each child gets 5 sweets
How many children are there?
Divide them up into groups of 5 sweets-like this



There must be 4 children
Example2: Here are 12 marbles to share There are 4 children. How many marbles does each get?

Divide them up into 4 groups - like this


## 2/13 Multiply \& divide

Each child gets 3 marbles

## Repeated addition (Multiplication)



Here are 3 footballers.
How many legs do they have altogether?

Addition sentence Multiplication sentence
$2+2+2=6 \quad 3 \times 2=6$

Repeated addition is the same as multiplication

| Addition sentence | Multiplication sentence |
| :---: | :---: |
| $5+5+5+5=20$ | $4 \times 5=20$ |
| $10+10+10=30$ | $3 \times 10=30$ |

## Repeated subtraction (Division)

Repeated subtraction is the same as division

| 15 | This is the same as |
| :--- | :---: |
| $\frac{-5}{10}(15 \div 5=3$ |  |
| $\frac{-5}{5}(2)$ | Because 5 has been <br> subtracted 3 times <br> $\frac{-5}{0}(3)$ |

## 2/15 \& 16 Fractions

## To work out a half

Split into two equal parts


$$
\begin{gathered}
\text { 10sweets } \div 2=5 \text { sweets } \\
\text { OR } \frac{1}{2} \text { of } 10=10 \div 2=5
\end{gathered}
$$

To work out a quarter
Split into four equal parts


$$
\frac{2}{4}=\frac{1}{2}
$$

8 strawberries $\div 4=2$ strawberries

$$
\text { OR } \frac{1}{4} \text { of } 8=8 \div 4=2
$$

## 2/17 Units of measure

METRIC units of length are:
Millimetre (mm)
Centimetre (cm)

Metre (m)

Kilometre (km)

$$
2 \mathrm{~cm}=20 \mathrm{~mm}
$$

$4.5 \mathrm{~cm}=45 \mathrm{~mm}$
$1 \mathrm{~cm}=10 \mathrm{~mm}$


- A big stride is about a methe
- Distance to Dublin is measured in kilometres


METRIC units of mass are:
Gram (g)
Kilogram (kg)


1 kilogram $(\mathrm{kg})=1000 \mathrm{grams}(\mathrm{g})$

- An apple weighs 150 grams

- Baby chimp weighs 3 kg



## 2/17 Units of measure (continued)

METRIC units of capacity (liquids) are: Millilitre (ml)

Centilitre (cl)

Litre (I)

- A medicine spoon holds 5 ml
- A 5-litre bucket
- Fuel for the car is measured in litres


## 2/18 Compare units of measure

Think of the units of mass then order:


A blown-up balloon < a bar of chocolate < a loaf of bread < your teacher

Think of the units of length used then order:



## 2/27 Sequence of shapes

Make these shapes into a pattern

## 2/28 Describe position, direction \& movement

LEFT RIGHT

ANTICLOCKWISE
CLOCKWISE

2/26 To sort 2D shapes and 3D shapes

| Clogkwise (1 right or $\frac{1}{48}$ turn |
| :---: |
|  |  |
|  |  |

Half turn (2 right angles)

## 2/29 Tables and graphs



Tally chart showing animals in the zoo

| Animal | Tally | Number of animals |
| :--- | :--- | :---: |
| Penguin | IIII | 4 |
| Lion | III | 3 |
| Snake | IIII I | 6 |
| Giraffe | II | 2 |
| Monkey | IIII II | 7 |

Block graph to show animals in the zoo

| 7 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6 |  |  |  |  |
| 5 |  |  |  |  |
| 4 |  |  |  |  |
| 3 |  |  |  |  |
| 2 |  |  |  |  |
| 1 |  |  |  |  |



## 2/30 Questions about tables and graphs

## Example:

Questions about 'Animals in the zoo'

1. How many animals are there altogether?

$$
4+3+6+2+7=22
$$

2. How many more monkeys are there than lions?
$7-3=4$
3. What animal is there least of? giraffe
