• Welcome
• Number
• Fractions
• Time
NUMBER
NUMBERS

- Walking down the street – Odd and Even.
- Going Shopping – Calculate change.
- Play number games – Monopoly, Cards, Dominoes.
- Be an actor!
- Be a geek!
- Lots of ‘Hands-on’ Maths. – The 3 Cs of Maths ‘Cash, clocks and cooking’. (‘Maths for Mums and Dads’, Rob Eastaway and Mike Askew)
- Do not be right all the time!
SUBITISING

- Instantaneously recognise the number of objects in a group without counting them.
GAME 1: TWENTY

- Two or more players take it in turns to count to 20 (or an other number).
- You may say **up to** three numbers.
- You **must** start and zero!
- The player who says ‘20’ loses.

- Introduces groupings – Linked to multibuys in the Supermarket.
GAME 2: NICE OR NASTY

- Use playing cards.
- Remove all face cards.
- Ace counts as one.
- Draw 3 cards each and make a three digit number.
- The highest or lowest number will win.
- Numbers must be read as a whole number;
  - “two hundred and forty five.” NOT “two, four, five”.
- Play as a family, you can place your card wherever you like.
GAME 3: RACE TO 100

- You will need: Pencil, paper, dice.
- Take turns to roll the dice.
- You can either take the number given or multiply it by 10 (i.e. 5 or 50).
- The first person to make exactly 100 is the winner. Do not go over 100.
- You could start at 100 and subtract.
THE POWER OF A BLANK NUMBER LINE

- All you will need is:
  - Pen / pencil
  - Paper
HELPFUL HOUSEHOLD ITEMS

- 12 and 24 hour clock.
- Wall Calendar.
- Board games with dice and spinners.
- Playing cards.
- A simple calculator.
- Pasta, Smarties etc.
- Family size bar of chocolate.
- Fridge magnet / bathroom numbers.
- Dartboard.
- Dominoes.
- Cool Dice.
HOW DO I ENCOURAGE ENJOYMENT?

- By achieving success. – ‘Have a go!’
- Positive feedback – Praise effort rather than speed.
- Ban the words ‘smart’ and ‘quick’.
  - Research has found that ‘smart’ and ‘quick’ children tend to give up first.
- Talk through the child’s thought process.
- Always show an interest and do not rush them.
Fractions
two-halves
Colour in a half or a quarter of a shape.
\[ \frac{1}{2} \text{ one-half} \]
Writing fractions
Numerator

Denominator
1 equal part out of a possible 4 equal parts
Mark out fractions of shapes.
Find fractions of amounts
1
5
of £10
£5
Fractions in everyday life
Food is a fantastic fractions resource.
Try doing some pizza making – have them put different toppings evenly across a pizza. Then encourage them to work out, for example, if they’ve put 10 olives evenly on the pizza and cut the pizza into 5 even pieces, how many olives on each?
Chocolate that is marked out in sections is another good edible resource. Ask your child to say how many sections would make up one third of the bar. If they answer correctly, let them eat that fraction. Ask them to find, for example, a quarter of the remaining piece for their friend to eat.
Pizza Fractions, free, Apple

Boop Bop: Bingo Fractions, £2.99, Apple

Fractions +, 99p, Apple
Fractions with Trains, free, Apple

Tiny Fractions, £4.99, Apple
Color Fractions, 99p, Apple
Learn It Flashcards: Introduction to Fractions, 99p, Apple
Fractions & Decimals, 99p, Apple
Squeebles Fractions, £1.99, Apple and Android
Time
Steps to telling the time?
What do we do in school?
Early
Seasons, Routines and events in my world

First
Telling the time (12 hour clock), using a calendar, using timers

Second
Durations of journeys, using timetables for events/journeys
Primary 7 Questions
AK 421 Manchester – departure time 1145
Check in time - 1 hour before departure
Boarding time 20 minutes before departure.
What time is check in and boarding?
Any Questions?
Please come and have a look at the time resources at the end of the presentation.