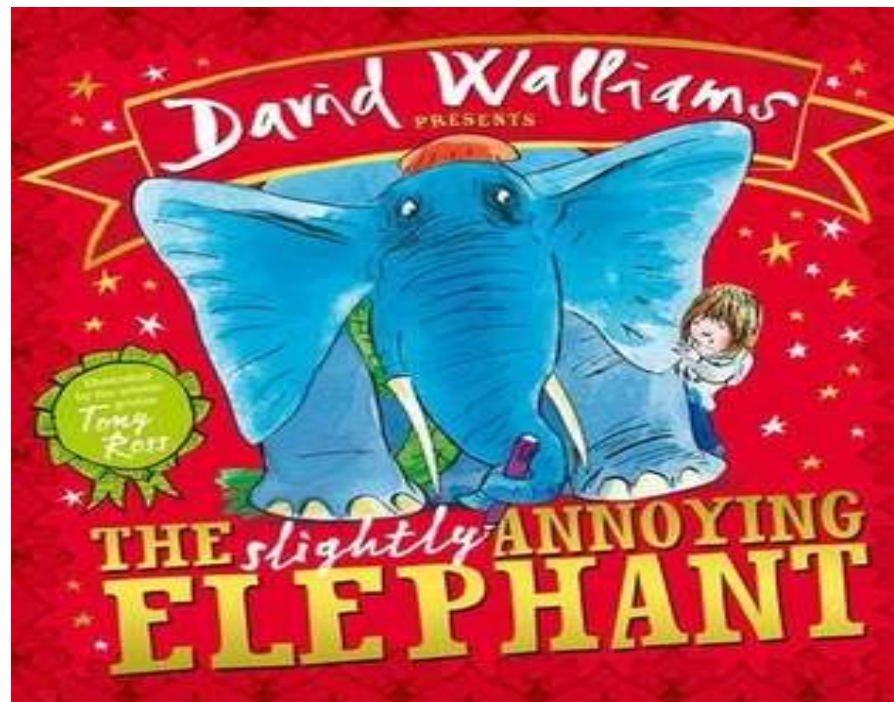


The Slightly Annoying Elephant

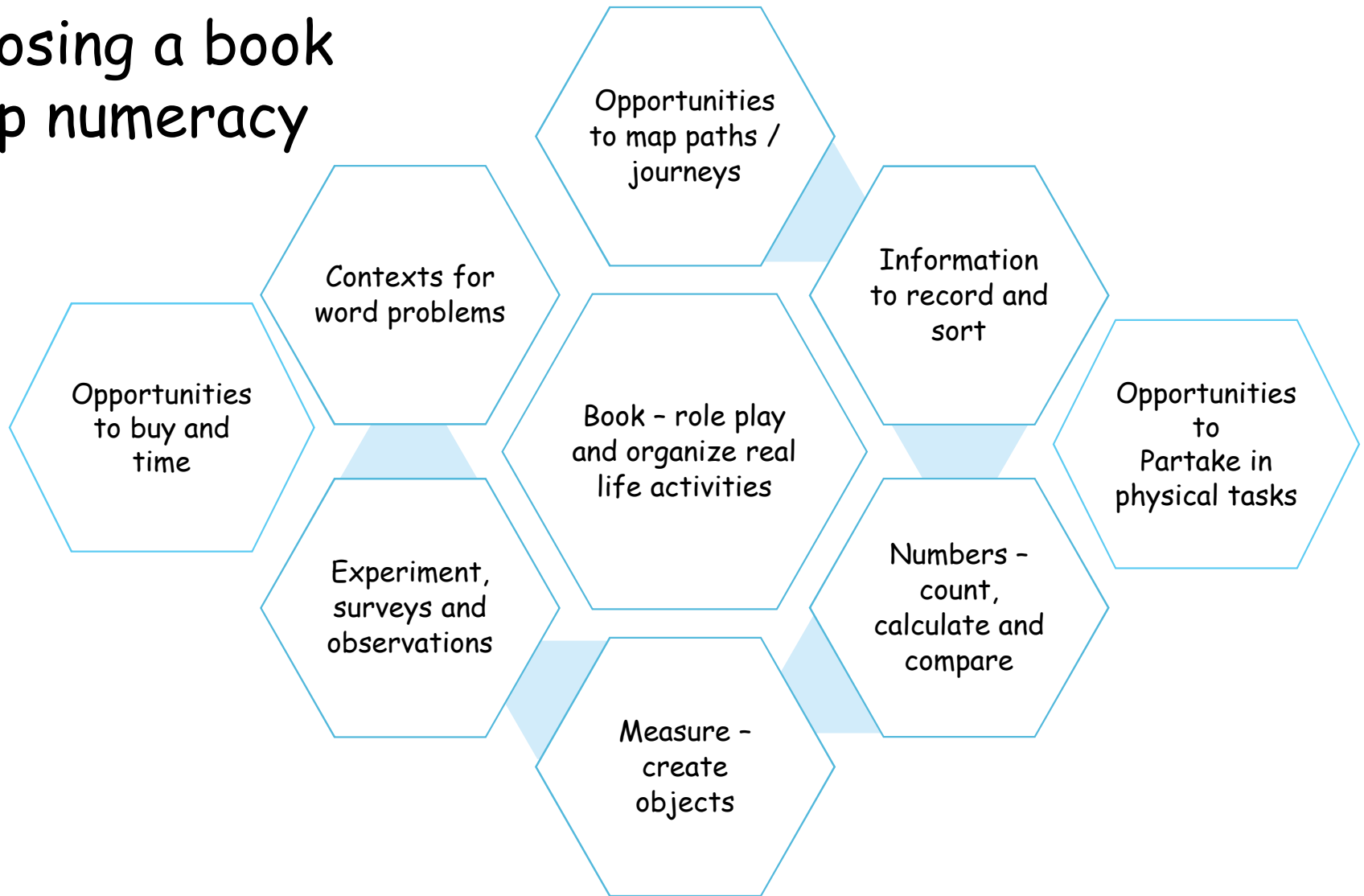
David Walliams

Rich Tasks and Reasoning Problems to Challenge Children



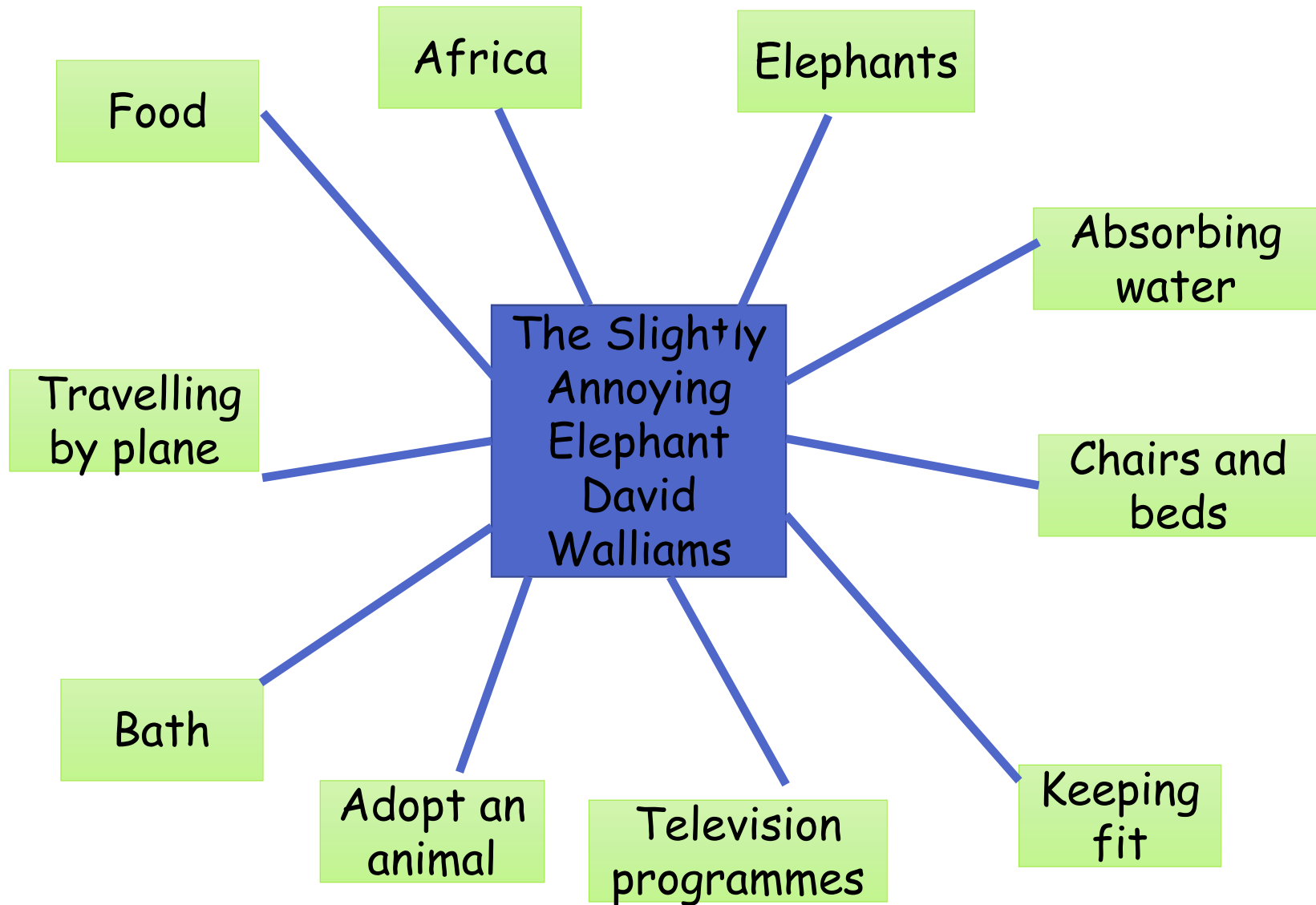
It's Story Time!

Questions to consider when choosing a book to develop numeracy skills



Planning tasks to challenge every child/ group

- What is the task?
- Who will complete the task?
- Is the task challenging - with high expectations?
- Why is the child doing the task?
- Which skills/ outcomes are developed?
- Is the task interesting to the children?
- Does the task build on the child's previous knowledge?
- Does the child have ample opportunities to complete his targets in the task?
- Is the task repetitive?
- What is the evidence?



Possible Numeracy Activities in the Areas

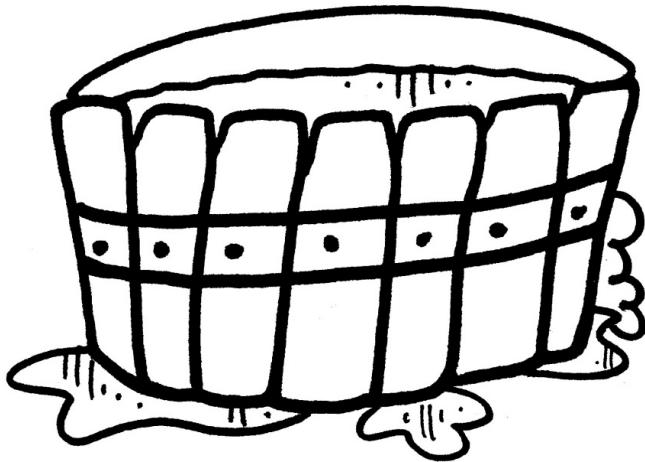
| Area | Activities | Mathematical skills to develop |
|--------------|---|------------------------------------|
| Water | Overflowing water - put clay model in a yogurt pot and calculate how much water overflows Water absorption - Kitchen roll and straws | capacity |
| Investigate | Compare information about elephants Compare African and Welsh weather | Temperature, capacity, subtraction |
| Table Top | Pin the tail on the elephant - compare distances | Measuring length and compare |
| Malleable | Design a giant pizza/ bowl of food for the elephant | Measuring mass - doubling |
| Construction | Build a bed/ sofa for the elephant (other soft toys) | Measuring length |

Kenya's Big 5

| Animal | Weight | Height to shoulder | Length of head and body | Length of tail |
|----------|-------------|--------------------|-------------------------|----------------|
| Lion | 150-250kg | 75 - 125cm | 170 - 250cm | 90 - 100cm |
| Leopard | 30 - 90kg | 40 -80cm | 90 - 160cm | 60 - 110cm |
| Buffalo | 500-900kg | 100 - 170cm | 170- 340cm | 70 - 110cm |
| Rhino | 800-1400kg | 120 - 180cm | 280 - 380cm | 60cm |
| Elephant | 4500-6000kg | 320 - 400cm | 500 - 750cm | 100 - 150cm |



Elephant in the water tub



Model an elephant out of clay and put it into a tub filled with water.

Calculate how much water overflows?

| Rainfall in Kenya Month | Rainfall in mm |
|-------------------------|----------------|
| January | 73 |
| February | 60 |
| March | 93 |
| April | 211 |
| May | 195 |
| June | 37 |
| July | 19 |
| August | 25 |
| September | 35 |
| October | 52 |
| November | 157 |
| December | 92 |



| Rainfall in Wales 2012 Month | Rainfall in mm |
|------------------------------|----------------|
| January | 129 |
| February | 64 |
| March | 31 |
| April | 168 |
| May | 76 |
| June | 219 |
| July | 133 |
| August | 156 |
| September | 131 |
| October | 149 |
| November | 177 |
| December | 264 |

metoffice.gov.uk

A gigantic meal for an elephant-

Ingredients

3 tins of beans
2 loaves of bread
5 bottles of ketchup
10 packets of crisps
2 tins of soup
1 bag of rice



| Item | Size of container (correct) | Price (incorrect) |
|---------|---------------------------------|-----------------------|
| Beans | 200g | 50c |
| Bread | 500g | 60c |
| Ketchup | 100g | 20c |
| Crisps | 20g | 10c |
| Soup | 400g | 40c |
| Rice | 1kg | £1 |



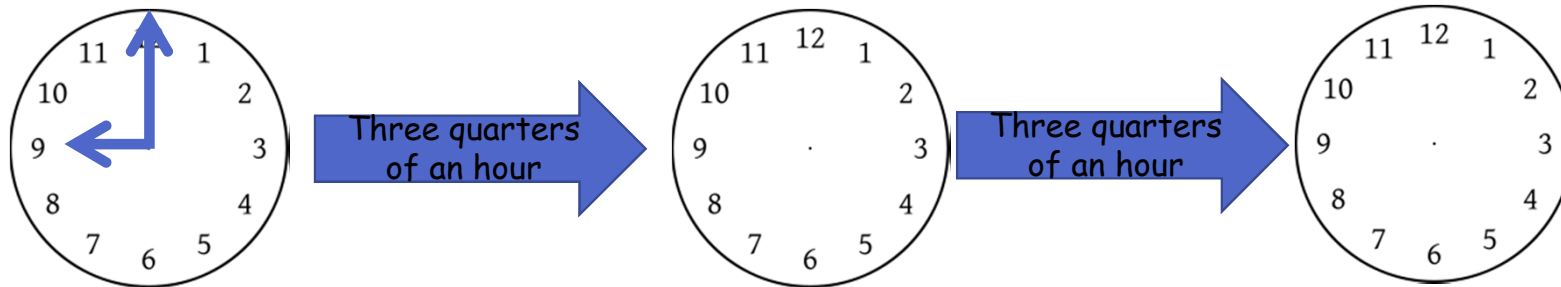
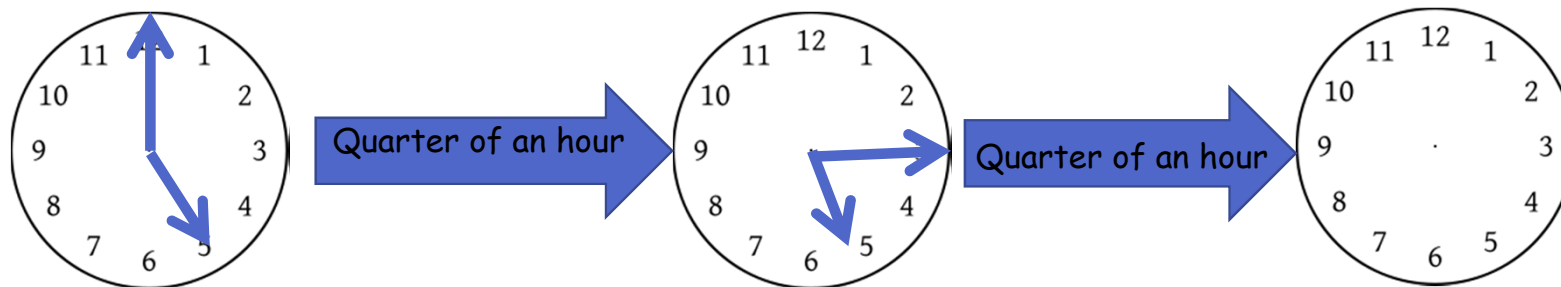
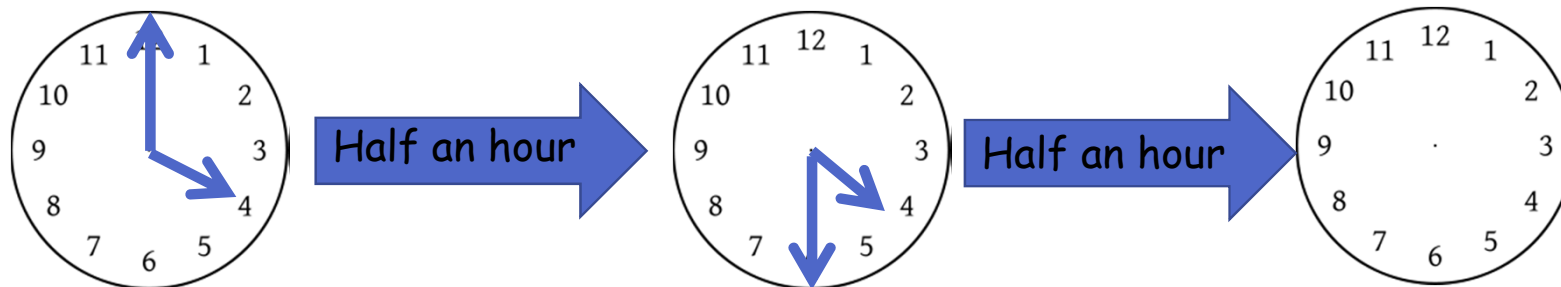
Hand print on kitchen paper

Drying time



I think my hand
print will
disappear in 1
minute

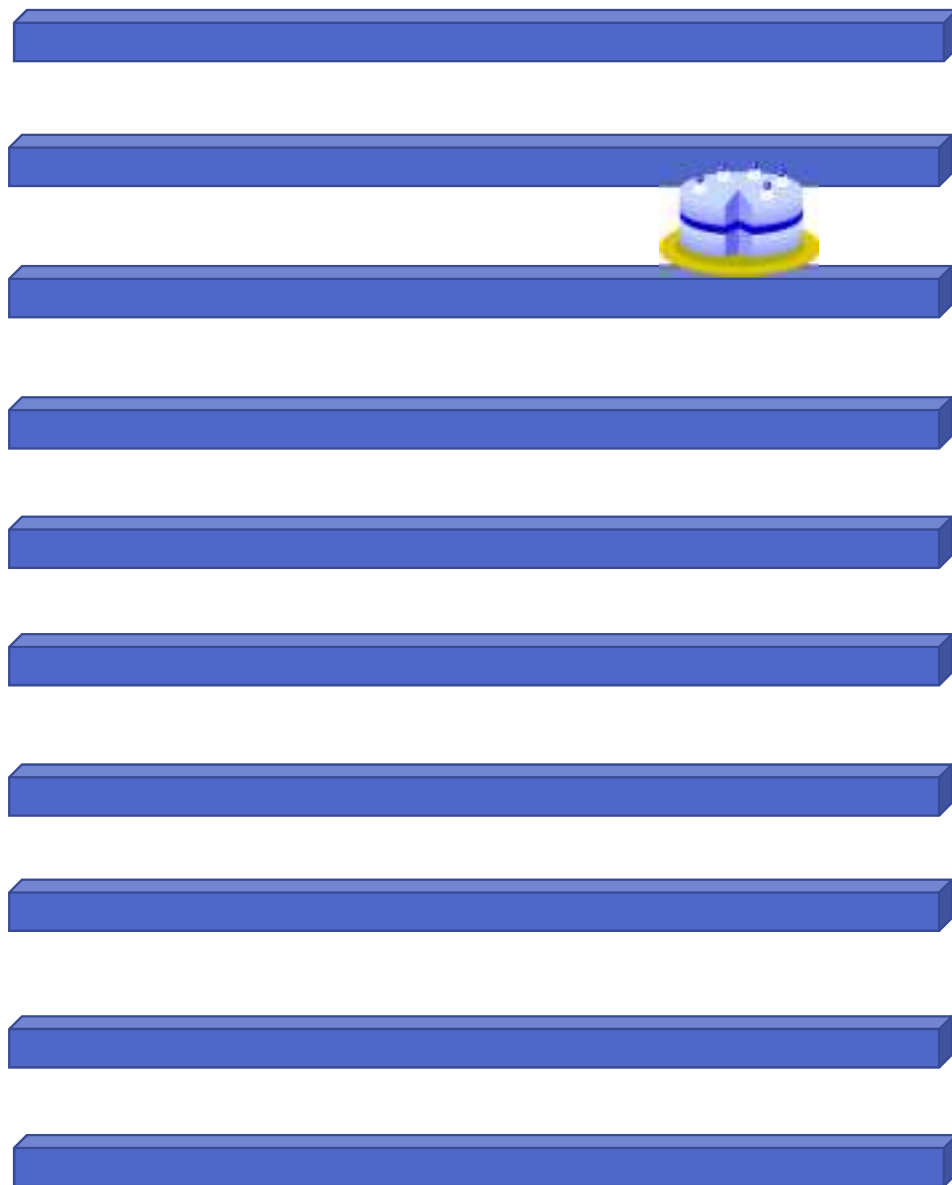
Is this correct?





Television Programmes

| Name of programme | Start time | End time | Length of programme |
|---------------------------|----------------|----------------|---------------------|
| Cooking with Elly | Quarter past 9 | Half past nine | Quarter of an hour |
| Football - the Jungle Cup | 9:30 | | Two hours |
| Living in Africa | | Mid -day | |
| Cartoon Elly and Elmer | 12:00 | 12 :15 | |
| Film - Elephant in Space | 12:15 | | 1½ hours |
| Quiz - Going for 10 | Quarter to two | 2:30 | |
| Sport - Jungle Olympics | 2:30 | 5 o'clock | |



A young elephant can reach up to 4 metres with his trunk. Can he reach the cake?

Distance between the shelves is 50cm

The bottom shelf is on the floor



The cost of buying a bike

£26



£34



£19



£45



£39



Pay with £1, £2 coins and £5, £10 or £20 notes

Every elephant needs two seats. Is there enough seats for 10 elephants and 15 adults?



Seats on a plane

A 6x3 grid of black squares on a blue background. The grid consists of 6 rows and 3 columns of squares. The squares are arranged in a regular pattern, with each square being a solid black color. The background is a solid blue color. The grid is composed of 18 squares in total.A 6x3 grid of black rectangles on a blue background. The rectangles are arranged in 6 rows and 3 columns, with a small gap between them. The background is a solid blue color.

Adopting an Animal



Panda - £25 a year



Tiger - £2 a month



Leopard- £1 a week

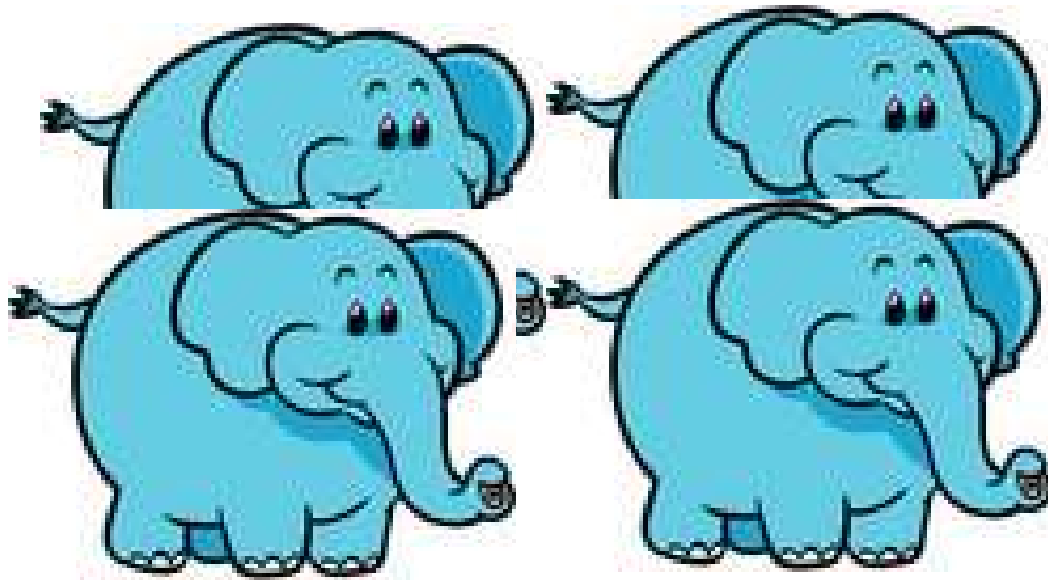


Gorilla - £15 every 3 months

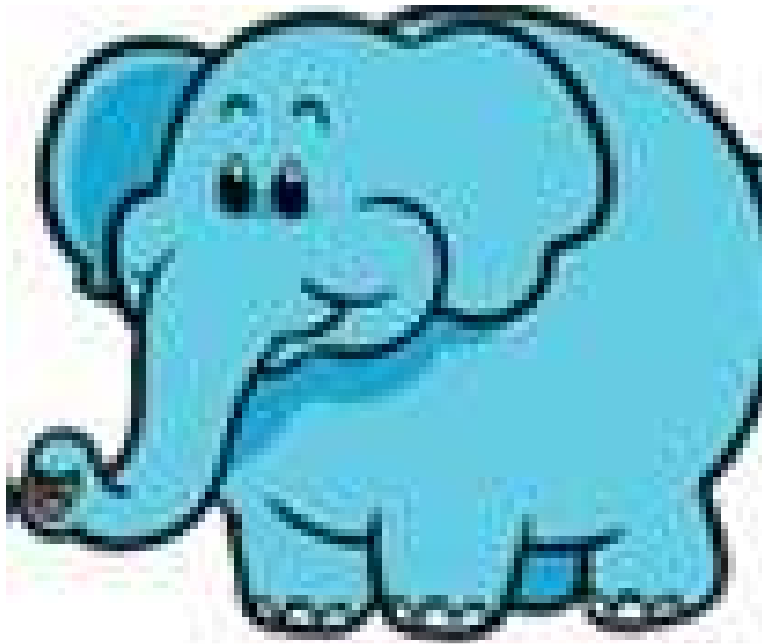


Elephant - 10p a day

How many elephants can we fit in our classroom?



An elephant is about 5 metres long, 2 metres wide and 4 metres tall

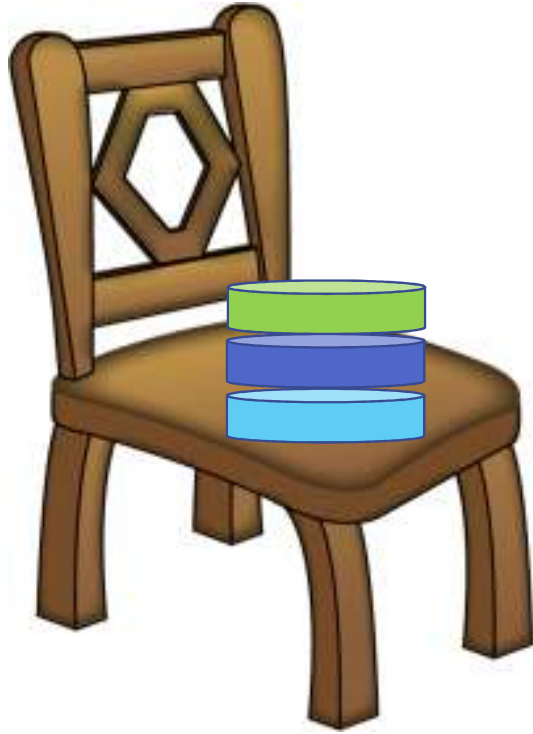


Pin the tail on the elephant

| Attempt | Distance from correct position |
|---------|--------------------------------|
| First | 7cm |
| Second | 8cm |
| Third | 4cm |

Choose the nearest, middle or furthest attempt

Collect the group's results and record your findings



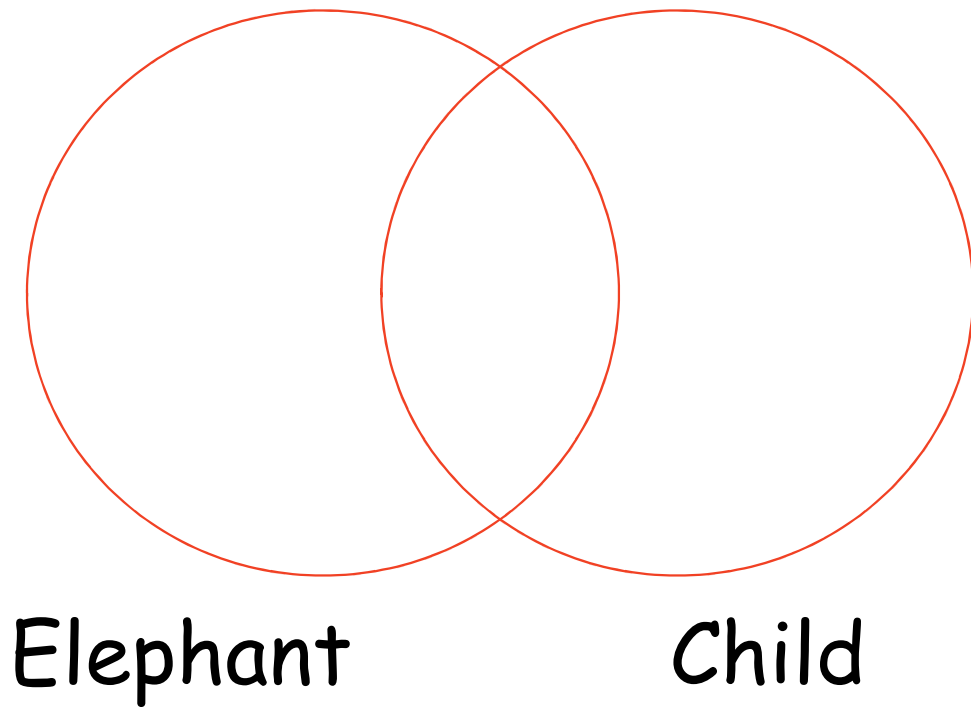
Build a chair from lolipop sticks and pegs

How many grams can you put on the chair before it collapses?

10 gram

10 gram

5 gram



- Ears
- Arms
- Trunk
- Mouth
- Teeth
- Tail
- Foot
- Hair
- Thumbs
- Eyes



Possible Literacy Activities in the Areas

| Area | Activities | Literacy skills to develop |
|--------------|---|-----------------------------------|
| Creative | Follow a recipe / Create their own recipes Reading a paragraph and creating the picture / Create their own Bake Off - Presenting a TV Programme Create a new character / setting | Comprehension Adopt a role |
| Small World | Different scenarios - Tesco delivery, nosy neighbour Recording / writing a script | Adopt a role |
| Role Play | Zoo Keeper - different tasks every week e.g. build 3 animal homes Elephant has escaped - news report Going on safari - being a tour guide, questioning, safety rules | |
| Writing Area | Sequencing the pictures/story - add captions. Pictures from the book with blank speech bubbles Poetry - elephant pot with adjectives | Recall/retell |
| Outdoor | QR Codes - What am I? Locating the animals on the map Create and record Elephant sound effects to enhance the story | |

Task

- Highlight a literacy/numeracy skill
- Think of an activity
- Which provision area?
- Differentiate the task