

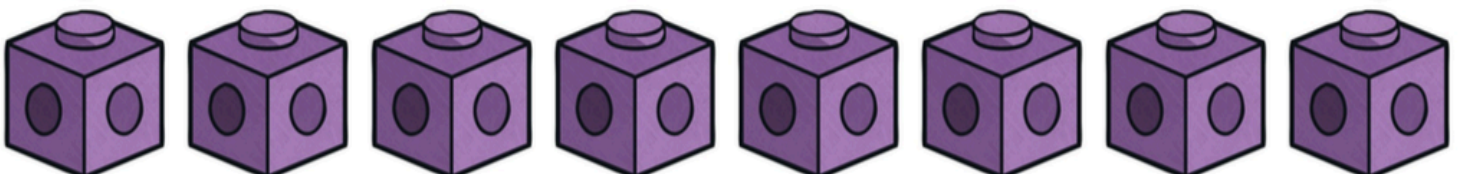
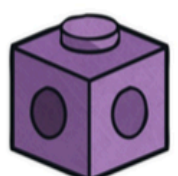
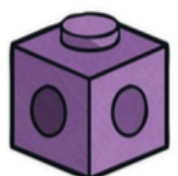
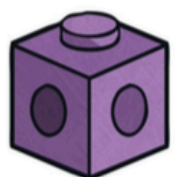
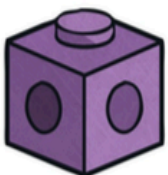
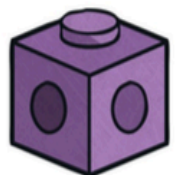
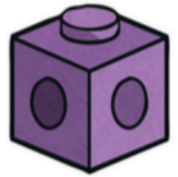
## Maths Activities You Can Do At Home With Your Child

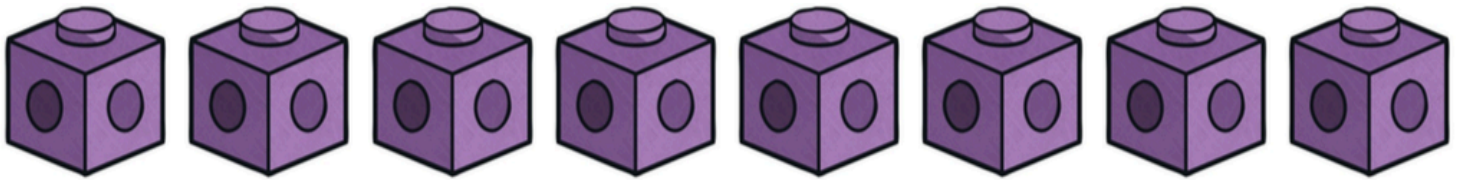


### Shopping

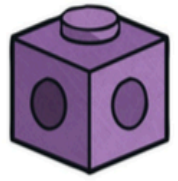


- Looking at prices.
- Calculating change – which coins, different combinations.
- Weighing fruit and vegetables in the supermarket.
- Counting pocket money.
- Reading labels on bottles, packets, in order to discuss capacity, weight, shape and colour.
- Estimating the final bill at the end of shopping while waiting at the checkout.
- Calculating the cost of family going to the cinema, swimming baths, etc.





## Maths Activities You Can Do At Home With Your Child



### Calculating Costs on a Calculator

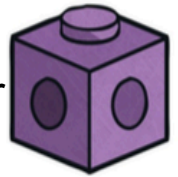


Use a calculator to find the cost of one sweet:

Clues:



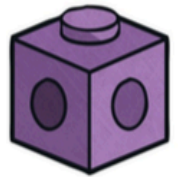
- Enter the cost of the packet of sweets on the calculator display, for example 35 (pence).



- Press the divide button.
- Count the number of sweets in the packet, and enter this number on the calculator, for example 42 (sweets).



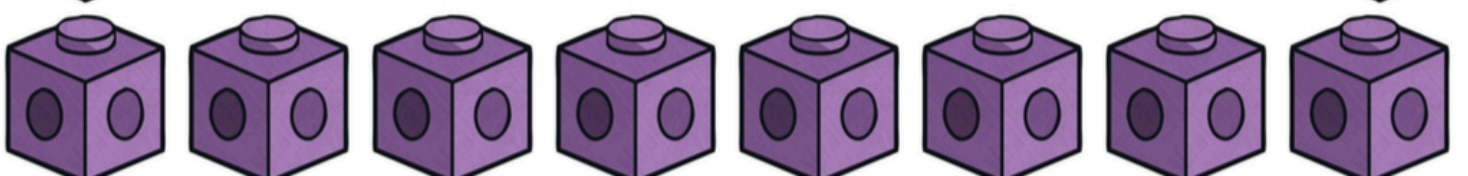
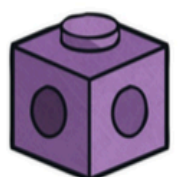
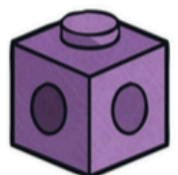
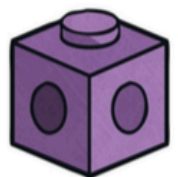
- Press the equals = button.
- The answer is 0.833 (pence), which is less than 1p for each sweet.

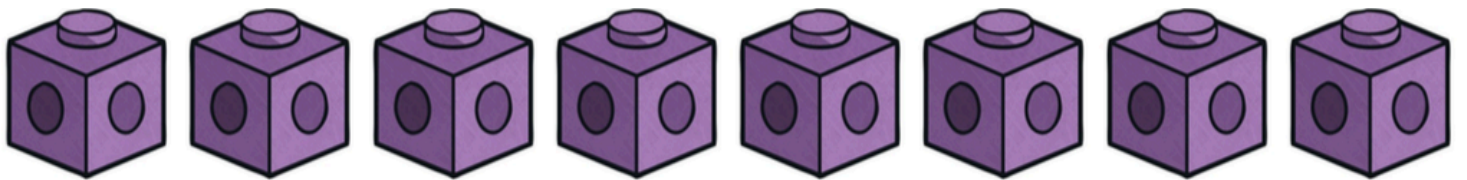


- Now use your calculator to find the cost of:



- One chunk of a chocolate bar
- One segment of a tangerine
- One mint and so on.





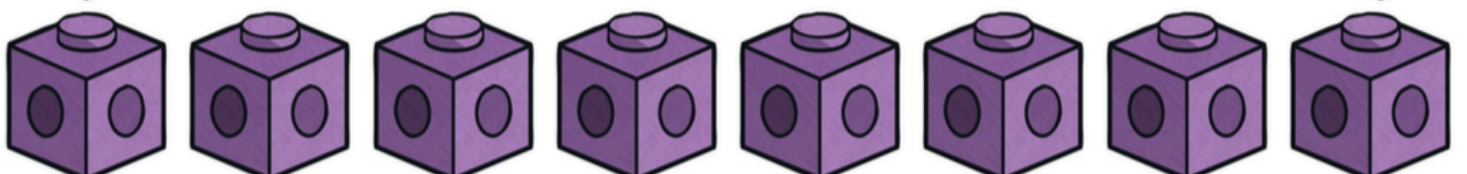
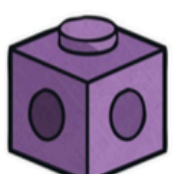
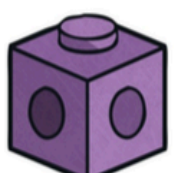
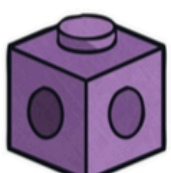
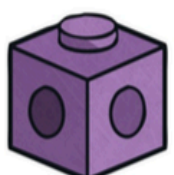
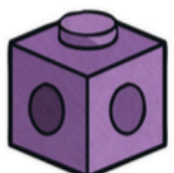
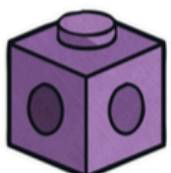
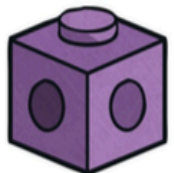
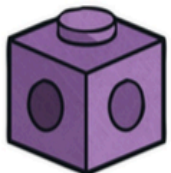
## Maths Activities You Can Do At Home With Your Child



### Time



- Looking at the clock – identify the numbers telling the time using analogue and digital clocks.
- Calculating how long a journey will take looking at train/bus/airline/timetables.
- Using the TV guide to calculate the length of programmes.
- Looking at the posting times on the post box.
- Discussing events in the day, e.g. teatime, bed time, bath time.
- Setting an alarm clock.

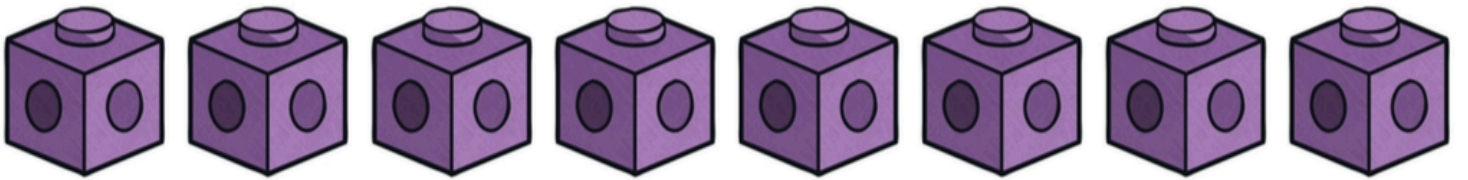




## Maths Activities You Can Do At Home With Your Child

### Days Out

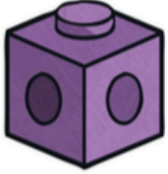
- Discuss with the family what would be the most popular outing, e.g. countryside, seaside, a theme park, a museum, a tourist attraction or just a picnic in the local park?
- Which outings can you reach from home in...
  - Less than 1 hour?
  - Between 1 and 2 hours?
  - More than 2 hours?
- How much is the entry cost for a theme park?



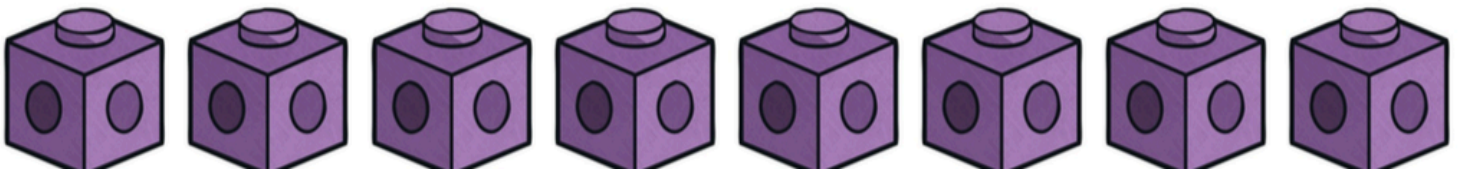
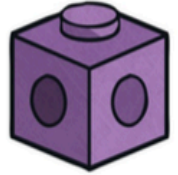
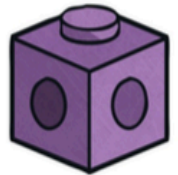
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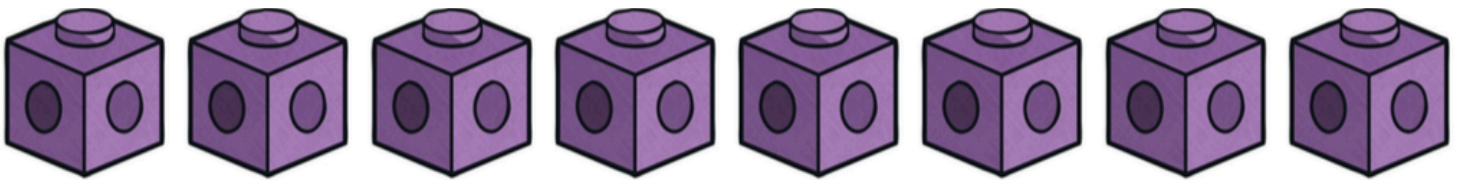


### Sequencing



- The main events of the day.
- Routines and what comes next.
- The parts of a recipe, set of instructions.
- Getting dressed.
- Tying shoe laces.
- Imagine you have a week to do whatever you wish.





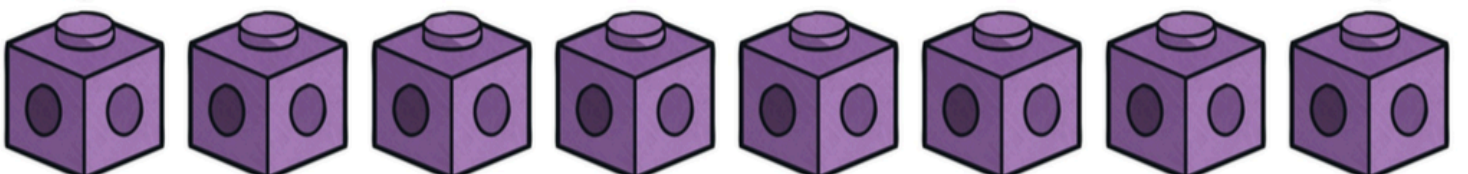
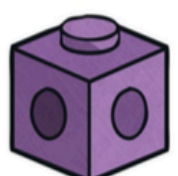
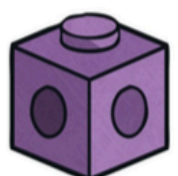
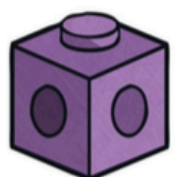
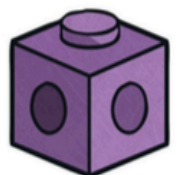
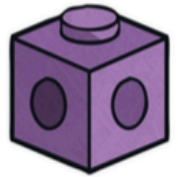
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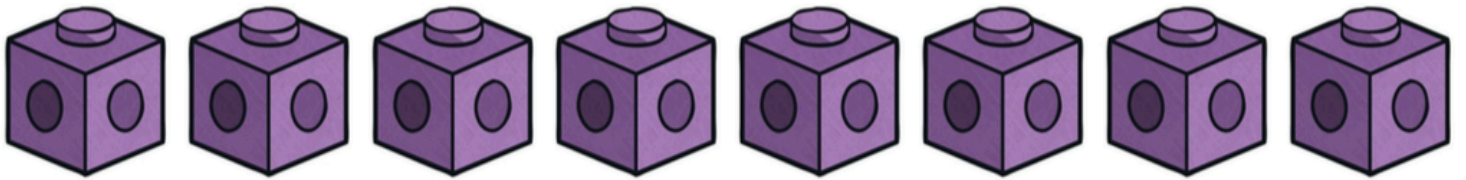


### Measurement



- Calculating distances in a journey, e.g. how much further?
- Calculating the heights of family members – who is the tallest?
- Measuring weights of ingredients for baking.
- Playing with plastic jugs and containers in the bath.
- Estimating amounts of liquid in containers and then measuring out.
- Comparing size of clothes – bigger than, smaller than.
- Wrapping parcels – what amount of paper, string do we need?
- Reading the scale on weighing machines and calculating the value of intervals.
- Measuring ingredients out for a recipe using different types of spoons.
- Estimating the quantity of milk from a cow/herd.
- Estimate the amount of time to harvest a field.
- Weigh your child on the bathroom scales.





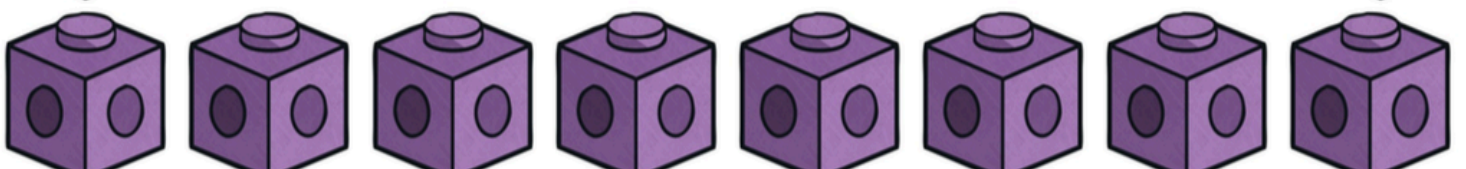
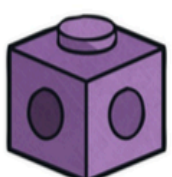
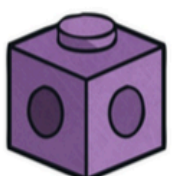
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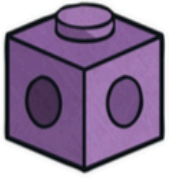
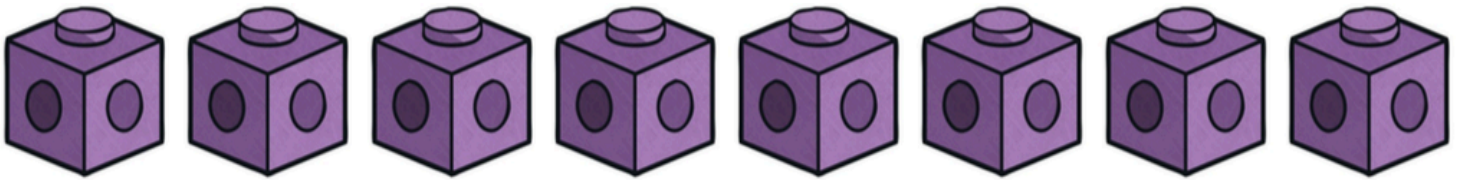


### Counting

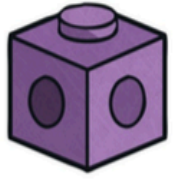


- Collections of objects – shells, buttons, stones.
- Cars on a journey e.g. how many red cars?
- Animals in a field e.g. sheep, cows.
- Stairs up to bed, steps etc.
- Sports scores – cricket averages, goal averages.
- Pages in a storybook.
- Counting up to 10, 20 and 100 – backwards and forwards.
- Counting buttons, shoes, socks as a child gets dressed.
- Tidy a cupboard or shelf and count the contents e.g. tins, shoes etc.
- Counting particular vehicles on a journey e.g. Eddie Stobart lorries, motorbikes etc.





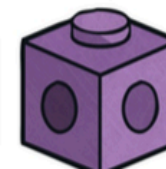
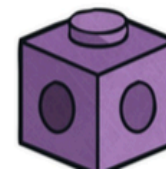
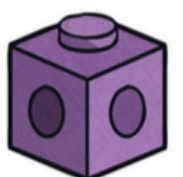
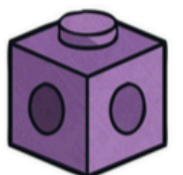
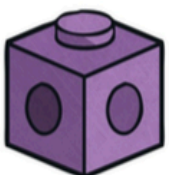
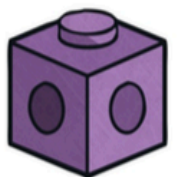
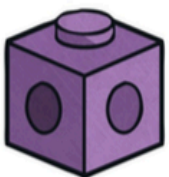
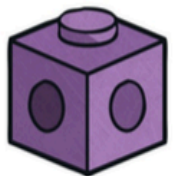
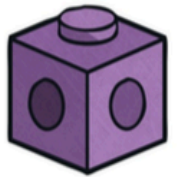
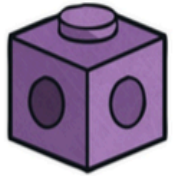
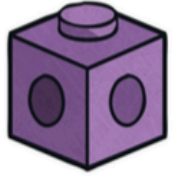
## Maths Activities You Can Do At Home With Your Child



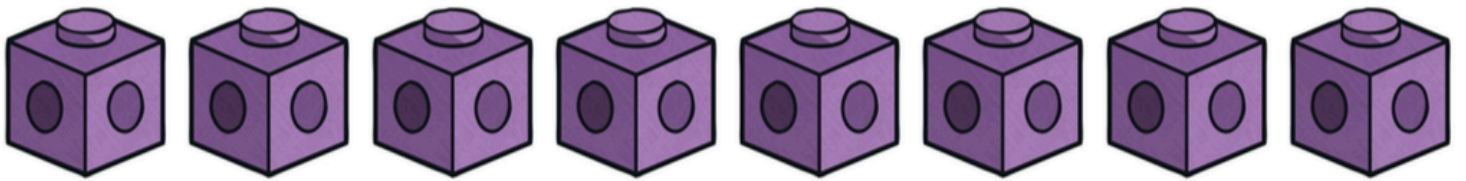
### Beat the Clock



- Time your child as they do one of the following:
  - Count back from 100 in tens
  - Count back from 75 in fives
  - Starting at six, count up in tens to 206
  - Starting at 39, count up in twenties to 239
  - Starting at 67, count up in thirties to 367
  - Can they beat their record?



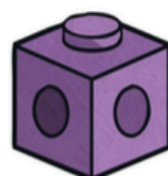
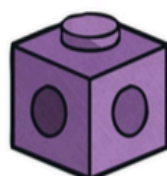
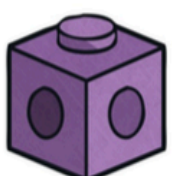
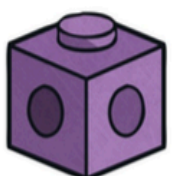
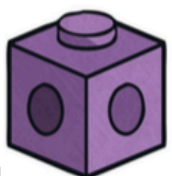




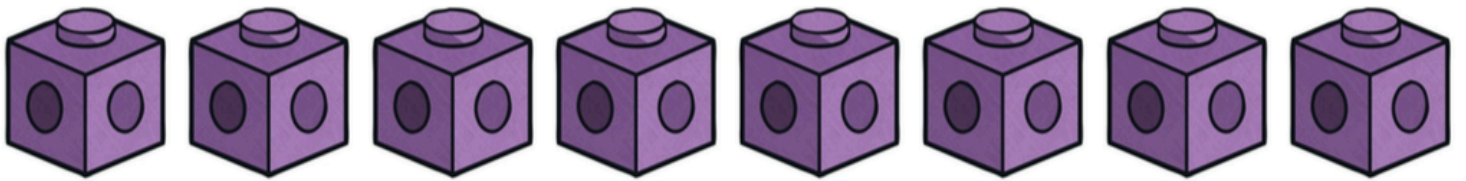
## Maths Activities You Can Do At Home With Your Child



### Activities using Numbers Around Us



- Using car number plates – add the digits to find the biggest, smallest and total.
- Sharing out sweets, toys etc. in groups of 2, 3, 4, 5, 6 etc. to help with tables and concept of dividing.
- Using telephone numbers – value of each digit.
- Using sandwiches to show fractions.
- Using a round cake to show fractions  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{6}$ ,  $\frac{1}{8}$  etc.
- Your pizza costs £3.60. Cut it into six equal slices.
  - How much does each slice cost? The answer is that each slice costs 60p.
  - How much is half a slice?
  - How much will two slices cost?
  - How much does  $\frac{1}{2}$  of the pizza cost
  - If I purchase three slices, how much change will I get from £4?
  - What if you cut the pizza into four equal slices (quarters)?
  - How much does one slice ( $\frac{1}{4}$ ) cost now?
  - How much does half cost now?



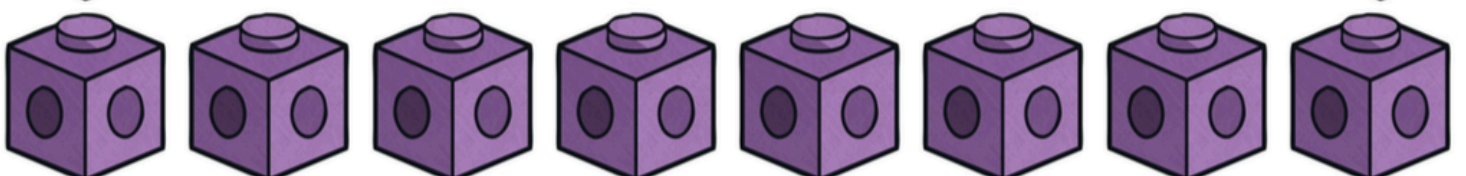
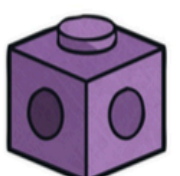
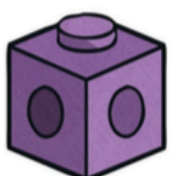
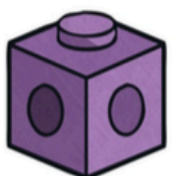
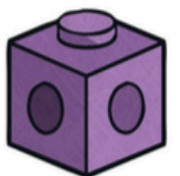
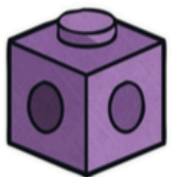
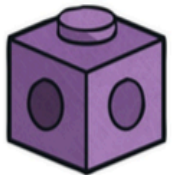
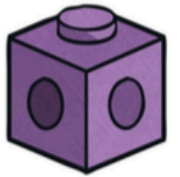
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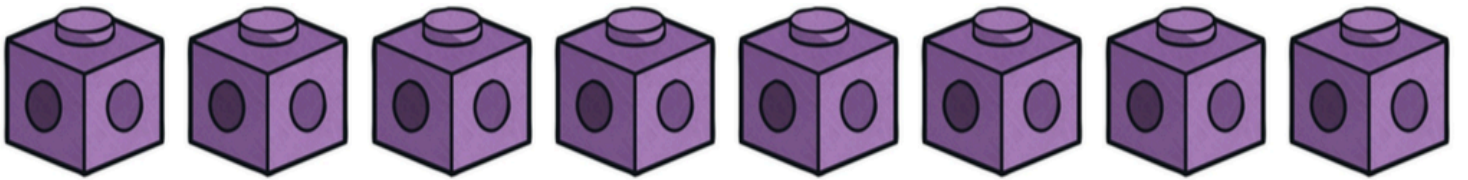


### Number Games



- Skipping – count every skip.
- Hop scotch.
- Ludo.
- Snakes and ladders.
- Dominos.
- Cards – number sequences.
- Cards – Rummy, Patience, Pontoon, Snap.
- Bingo.
- Darts.
- Heads and Tails and keep a tally.
- Chess and draughts.
- Monopoly.
- Computer games.
- Beetle.
- Connect 4.
- Number lotto.
- Number crosswords.





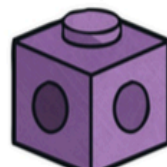
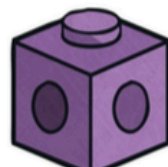
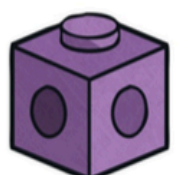
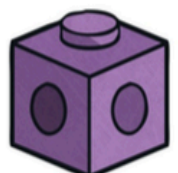
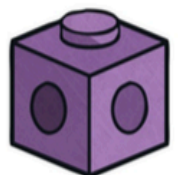
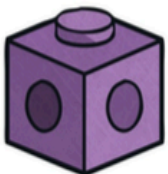
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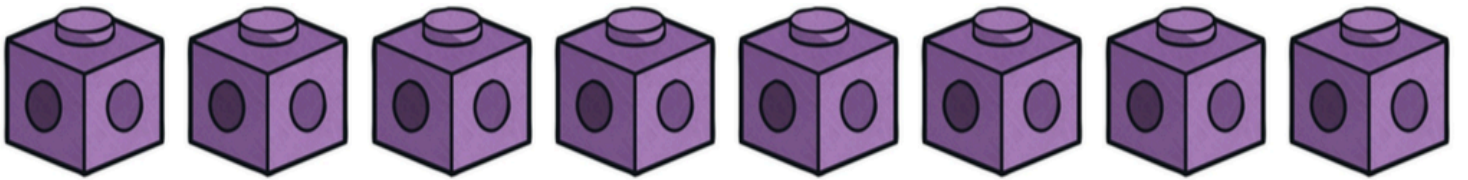


### Reasoning



- Laying the table for four people, 'How many knives, forks and spoons will I need altogether?'
- Planning a TV viewing session, 'How long will the programme last?'
- If dinner needs to be ready for 1.30pm and it takes 45 minutes to cook, what time should I put it in the oven?'

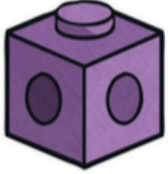




## Maths Activities You Can Do At Home With Your Child



### Sorting and Matching



- Setting the table and sorting cutlery.
- Sorting clothes for washing – size, colour.
- Matching pairs of socks, gloves, shoes.
- Sorting groceries.

