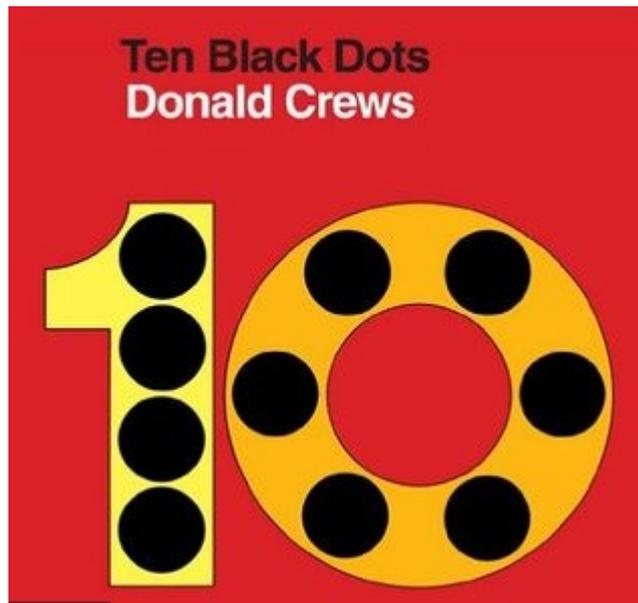


Ten Black Dots

By Donald Crew

Watch & learn
with Mrs Saleh

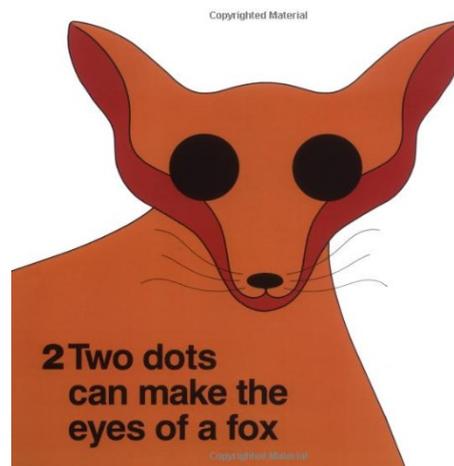
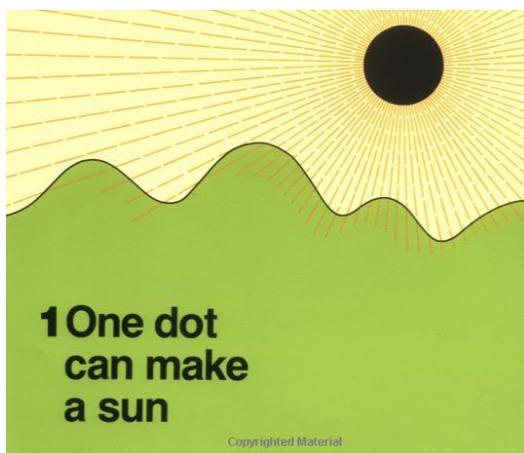


This book is all about what we could do if we had ten black dots and is a great book to use for teaching maths at home.

It has some great illustrations

One dot could be the sun or the moon, two black dots could be the eyes of a fox etc...

What could you and your children create with your ten black dots?



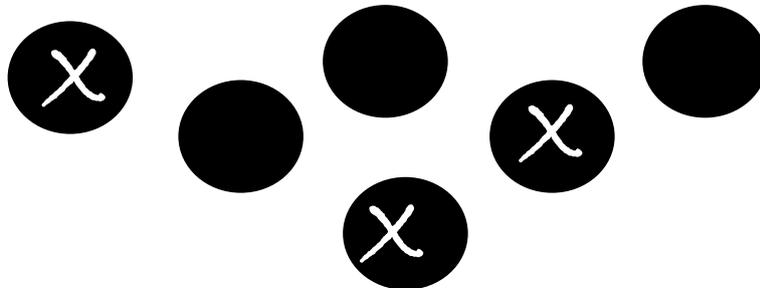
Activities to support maths through reading.

One to one correspondence

Read the book together and encourage your child to count the black dots on each page by touching each dot as they count. This involves the assigning of one, and only one, distinct counting word to each of the items to be counted. Every time they touch a dot they say a numeral.

Counting and Grouping Activity

Why not put some patterns or numbers on one side of your black dots and your child could sort the dots. Maybe you could add a chalk crosses or stripes to some dots.

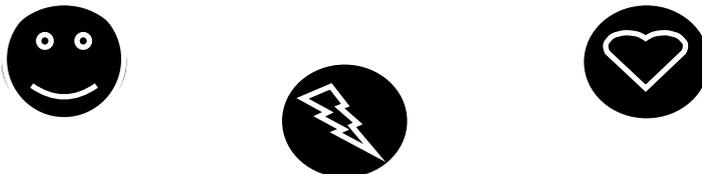


Ask questions like: How could we group them?

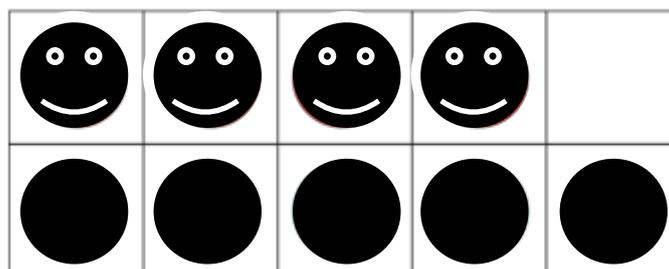
How many have dots on? How many do not have dots of them?

Repeat the game using different patterns / shapes on your dots

E.g.

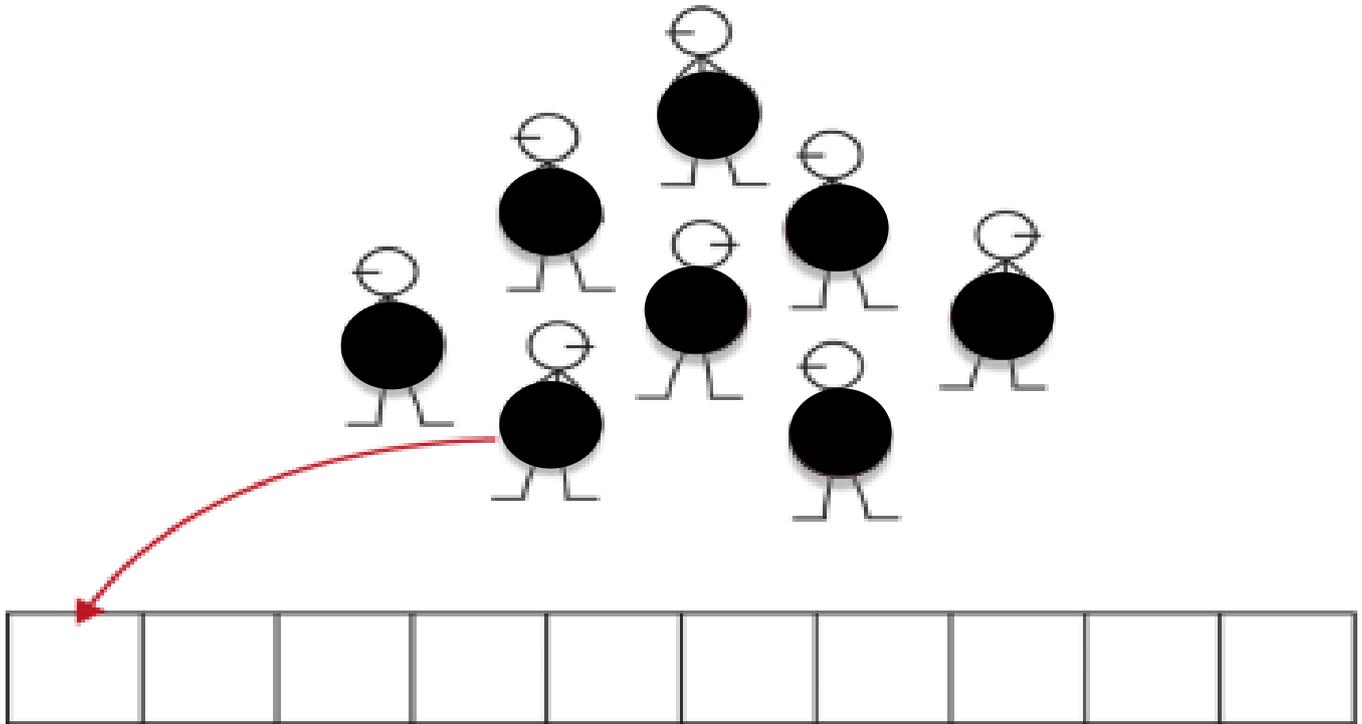


You group them using sorting circles or your child might be used to using a tens frame which will then help them identify quantities and use language such as more or less.



Counting Activity

Place a counter or button over each black dot. Can your child count them as they move the counters into the box?



If you add numerals to each dot, could your child order their black dots?



You could use other items at home to represent your black dots, e.g. buttons, smarties, pasta or beads.

If you have some small containers with lids you could label each one and get your child to count out the correct quantity of buttons, smarties, pasta or beads to add to each container. Remember to include a container for the numeral zero to help your child understand the value of zero.



You could then close the lids and shake the containers and see if your child can 'guess-timate' how many items are in each container. This would be an great opportunity to use mathematical language like more / less and even generalise and create sentences such as 'the more ____ in the put the **louder / quieter** the sound. 'The less ____ in the pot the **louder / quieter** the sound.

Art and Maths

How about creating your own 10 black dots book with a page or two for each number.

What could a page for 6 black dots be? Or zero black dots? You might change the colour and create a book for 10 red dots.



You could draw or print an outline for each numeral zero to ten and develop your child's fine motor skills by getting them to put the correct amount of black dots on each numeral. You could use paint and a cotton bud (Q-tip), felt tips or crayons.

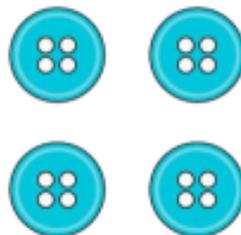
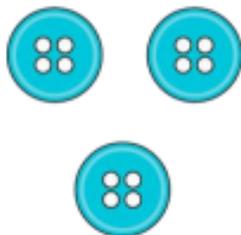
E.g.



Further Challenges

To challenge your child further you could use your black dots or buttons etc.. To compare three amounts.

E.g,
Alfie



Hannah
Billy

_____ has **more** buttons than _____

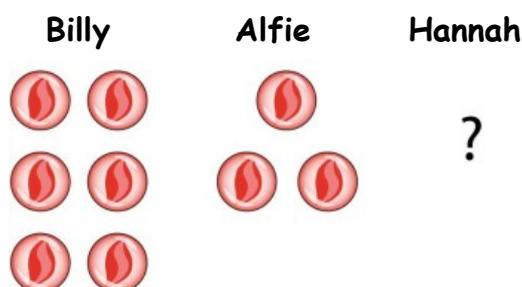
_____ has **fewer** buttons than _____.

_____ has more buttons than _____ but fewer buttons than _____.

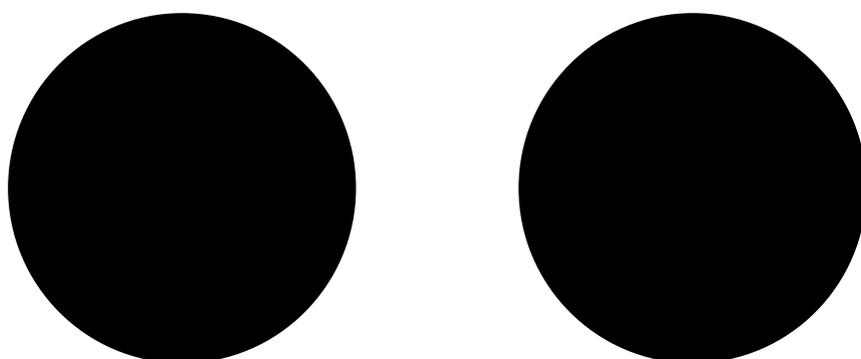
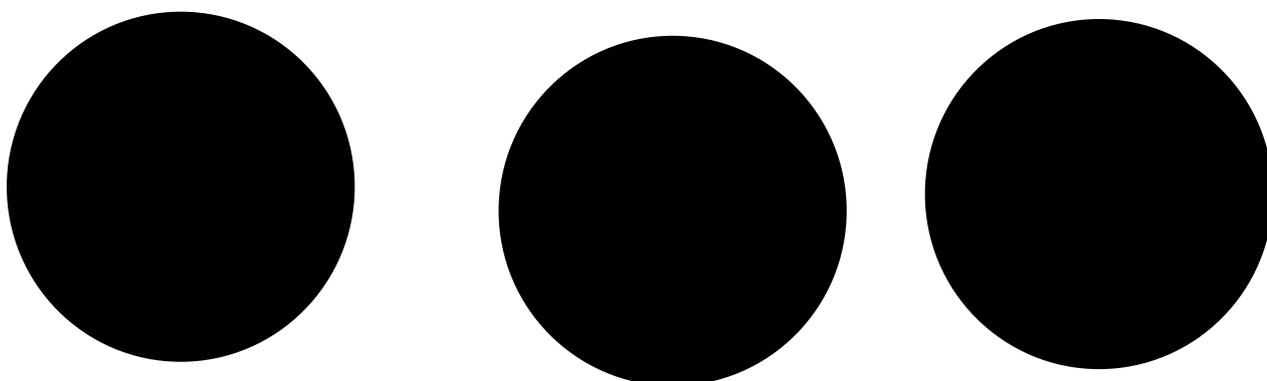
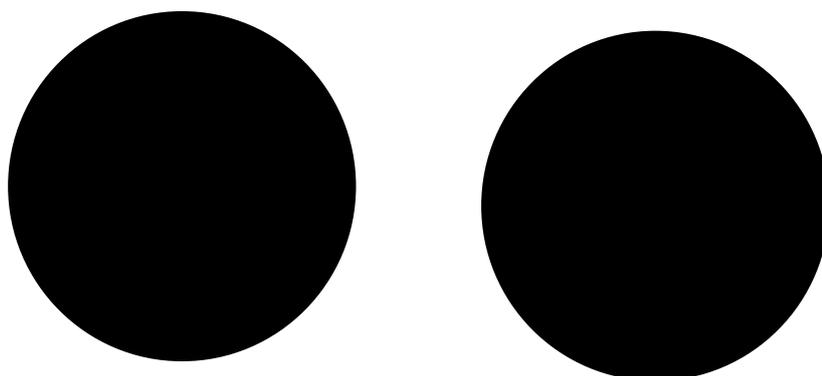
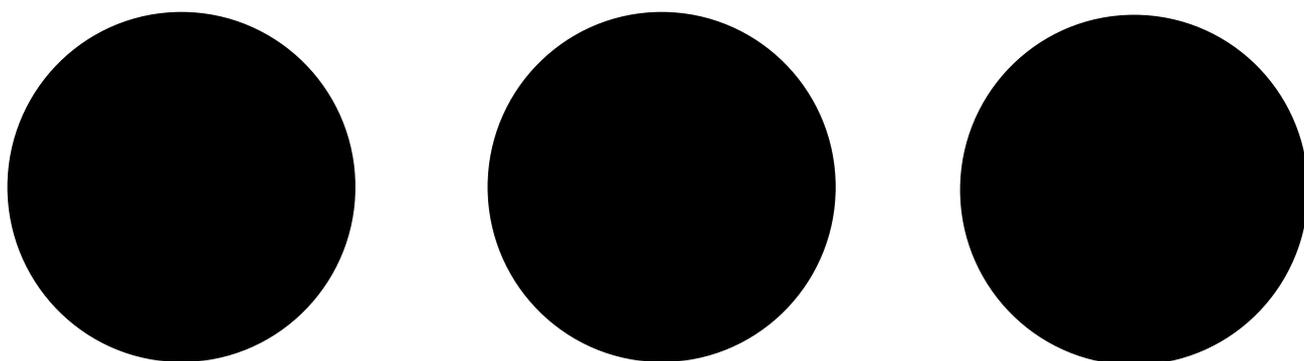
You could also extend this challenge by getting your child to identify an unknown quantity.

E.g Hannah has fewer marbles than Billy, but more than Alfie, How many marbles could Hannah have?

Is there more than one possible answer you child could come up with?



What can you do with ten black dots?



10 Black Dots

0

1

2

3

4

5

6

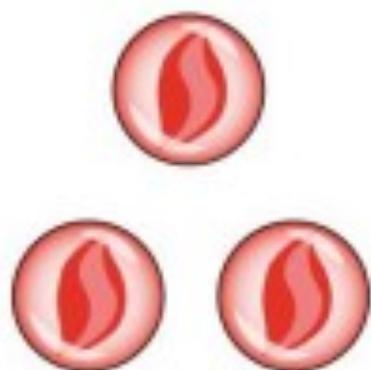
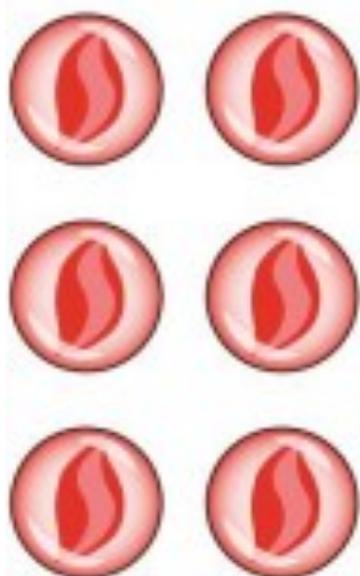
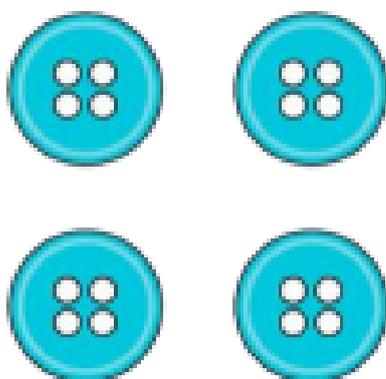
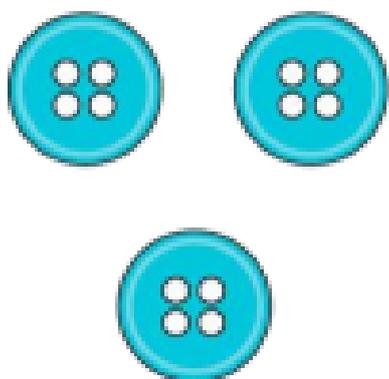
7

8

9

1

0



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