



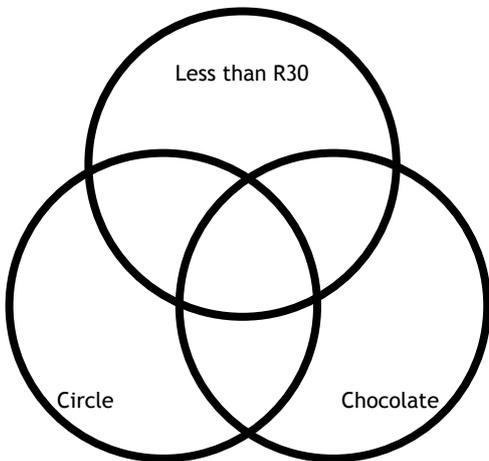
## SORT, CLASSIFY, CATEGORISE: EVERYDAY THINGS

	Cake Shape	Cake Flavour	Price
A	Large circle	Chocolate	R52.00
B	Medium circle	Vanilla	R30.75
C	Small circle	Chocolate	R20.50
D	Large rectangle	Chocolate	R55.00
E	Medium rectangle	Vanilla	R21.90
F	Small rectangle	Chocolate	R29.98
G	Large circle	Vanilla	R69.99
H	Medium square	Chocolate	R40.09
I	Small square	Vanilla	R29.99

### CAKE ORGANISATION

The local cake shop has a list of cakes (see table). Help the shop organise the cakes into the diagram below so they can create a shop window display. Put the letter for each cake into the circle you think it should go in.

Explain your thinking.



### SHOPPING LIST SORT

Sort shopping lists according to the type of item you need to buy. Get your child to brainstorm some categories (such as fresh vegetables, frozen foods, or cleaning products).

Write headings on the list for these categories and write items under each as you need them.



### MAKE IT COUNT

We continue with activities that involve sorting and classifying. Some activities are suitable for younger children (**Playing Card Sort**, **Button Sort** and **Shopping List Sort**) whilst the **Cake Organisation** activity may be better suited to slightly older children (Grades 4 and above).

Sorting and classifying is not only useful in the home but is also a useful way of preparing a lot of data so that it can be understood and graphed. We will do some of this next week.

There is also a puzzle that encourages looking for patterns.

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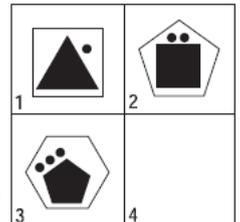
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### CLASSIFYING PUZZLE

Here's a classification puzzle to try. The figure in each square follows a pattern. After you work out what the pattern is, draw the figure that should go in the final square.

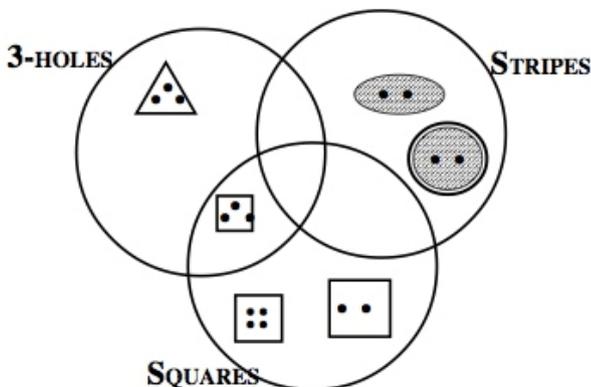
Activity courtesy of: **BRAIN SIZZLERS SECOND EDITION: Puzzles for Critical Thinkers** (Celia Baron 2001)



### BUTTON SORT

Zukiswa sorted some buttons into these three groups or sets: **3-Holes**, **Stripes** and **Squares**.

- Discuss why you think she has put these buttons into these groups like this.
- Could you do it another way?



Draw a line from each of these three buttons to the group / set where you think it belongs. Explain your thinking.



### PLAYING CARD SORT

- Mix together 2 packs of playing cards without jokers. Ask your child to sort the cards somehow.
- Give your child some time to think about how they could sort the cards. If they are stuck, you could give some suggestions from the box below.
- Once they have chosen a way to sort the cards, get them to count how many cards are in each category and record this on paper.
- Get them to add up the totals for each category. Whichever way they have been sorted, they should always end up with 104 cards (2 packs of 52 cards)
- Try another sorting method and repeat steps 3 and 4.
- What do they notice about the number of categories, the number of cards in each? Can they see a pattern?

### IDEAS FOR SORTING CARDS

- Colour (Black, Red)
- Suit (Diamonds, Clubs, Hearts, Spades)
- Number (Ace to King)
- Odd and Evens
- Less than 5, less than 10
- Picture cards and non picture cards

