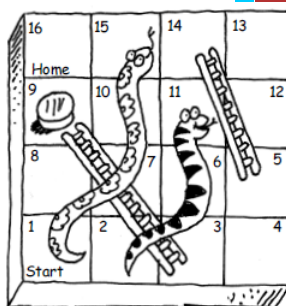
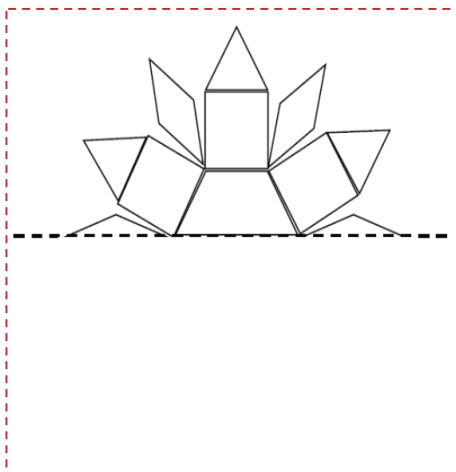




ACTIVITIES FOR THE SUMMER HOLIDAYS

Complete the design below so that the dotted line is a line of symmetry.



On this Snakes and Ladders board, your counter is on 9. You roll a normal 1 to 6 dice. After 2 moves you land on 16.

Find all the different ways you could have moved to 16.

Now think of some other questions you could ask about this game.

MAKE IT COUNT

- ◆ This will our last maths issue for 2013.
- The end of the school year is fast approaching and the long summer holiday lies ahead. With this in mind
- + I've put together a selection of puzzles and other activities that you can save and do when the children finish school and during the school holidays.

Good luck with end of year exams and enjoy your summer break.



Visit us at www.ru.ac.za/sanc or like our Facebook page: <https://www.facebook.com/RUSANC>

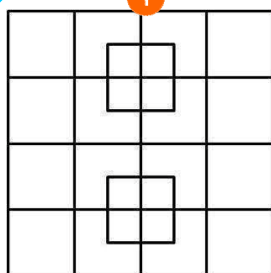
Brought to you by the SA Numeracy Chair Project which is hosted by Rhodes University & is jointly funded by the FirstRand Foundation with the RMB fund, the Anglo American Chairman's Fund & the DST and administered by the NRF.



WANT MORE PUZZLES AND GAMES?

Visit our website for more free puzzles:
<http://www.ru.ac.za/sanc/mathsclubs/clubresources/activities/>

1



you see in this image?

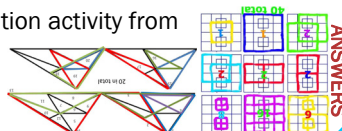
HOW MANY?

Look at these 2 pictures. How many **squares** can you see in the first one? How many **triangles** can you see in the 2nd one?

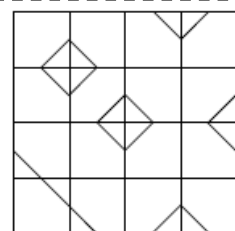
EXTENSION ACTIVITY FOR 2:

Look at the triangles classification activity from last week. How many of each different kind of triangle can

2



This grid has 16 squares. One square is different from all the others. Find it and put a circle around it.



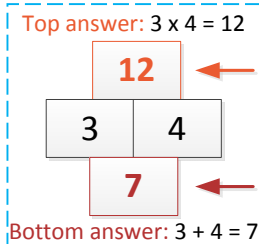
Activity courtesy of: **BRAIN SIZZLERS**
SECOND EDITION: Puzzles for Critical Thinkers (Celia Baron 2001)

ADD & MULTIPLY PUZZLES

The 2 numbers in the middle

Add together to make the answer in the bottom box. In this example $3 + 4 = 7$ Are multiplied to give the answer in the top box. In this example $3 \times 4 = 12$

Try these. The 1st 2 examples are to get you started. The next 3 will make you think a little more. **Make up some of your own.**



| | | |
|----|-----|----|
| 24 | 144 | 81 |
| | | 9 |
| 11 | 24 | |
| | | |
| | 2 | 3 |
| 42 | | 18 |



Cut around the edge of this puzzle. Then cut along the darker lines to cut the puzzle into 12 pieces. Now put the 100 square back together again in the right order

100 CHART PUZZLE

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

