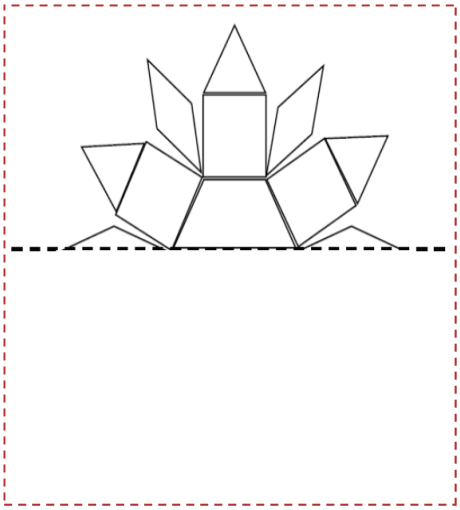
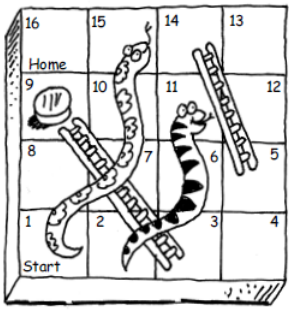
ACTIVITIES FOR THE SUMMER HOLIDAYS

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.

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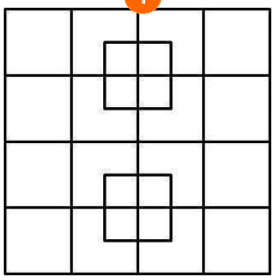
WANT MORE PUZZLES AND GAMES?

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

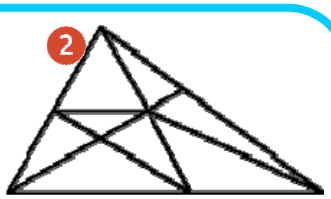
1



HOW MANY?

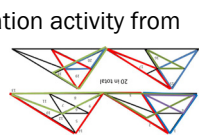
Look at these 2 pictures. How many **squares** can you see in the first one? How many **triangles** can you see in the 2nd one?

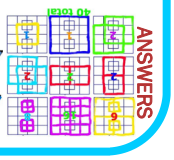
2



EXTENSION ACTIVITY FOR 2:

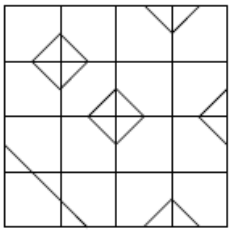
Look at the triangles classification activity from last week. How many of each different kind of triangle can you see in this image?





ANSWERS

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

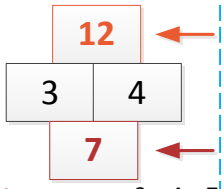
The 2 numbers in the middle

Add together to make the answer in the bottom box. In this example 3 + 4 = 7

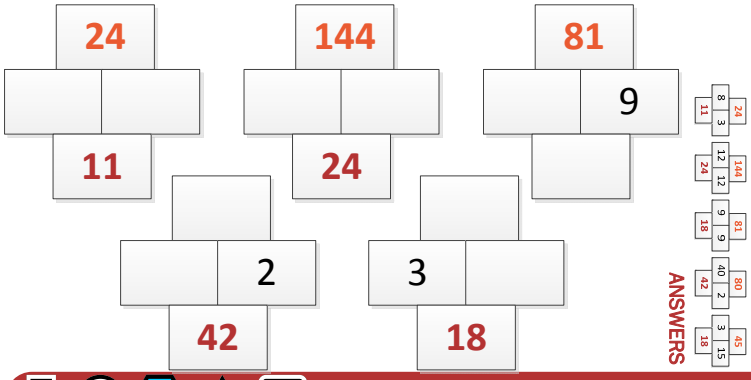
Are multiplied to give the answer in the top box. In this example 3 x 4= 12

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.**

Top answer: 3 x 4 = 12



Bottom answer: 3 + 4 = 7



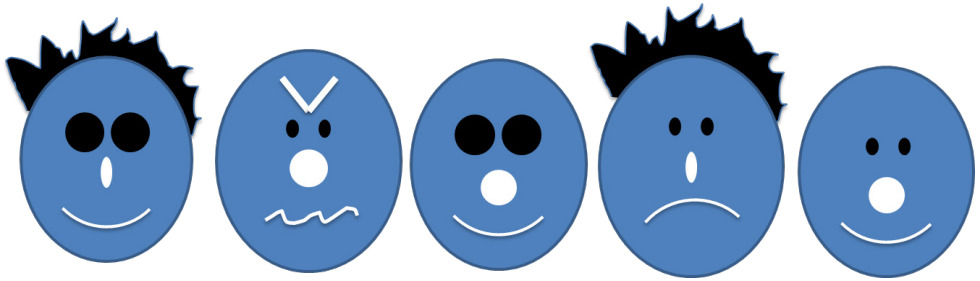
Cut around the edge of this puzzle. Then cut along the darker lines to cut the puzzle into 12 pieces. Now put the 100 square back together again in the right order

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

Give each face a name

These are the faces of **SAM, SINO, SIYA, SACHA and SALLY**.



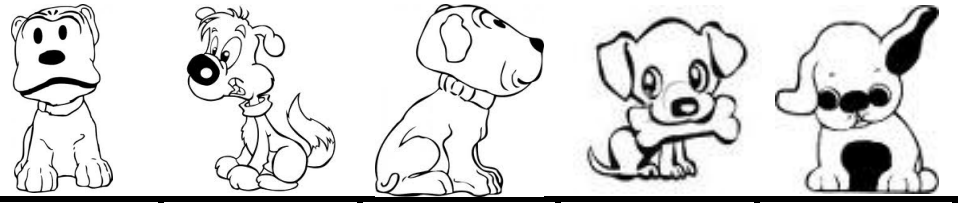
Use the clues to work out which name goes with each face.

Clues

- **Sally** has hair and big eyes
- **Sam** has hair and is sad
- **Sino** is angry
- **Siya** has a big nose and big eyes
- **Sacha** is smiling and has small eyes

What are the puppies' names?

ROVER, SPOT, JET, REX AND ZEB don't have names. Use the clues and numbers to help give each puppy a name.

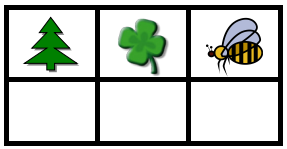


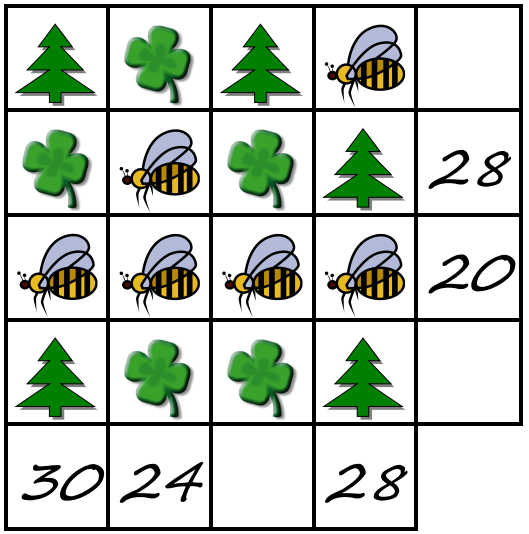
3	20	15	11	7

Clues

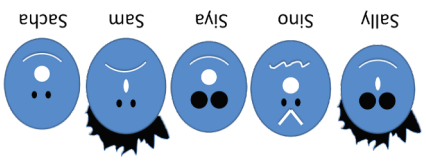
- **Zeb's** number is even
- **Rex's** number is a single digit number between 5 and 9
- **Rover's** number is a single digit in the 3 times table
- **Spot's** number is not in the 3 or 5 times table
- **Jet's** number is in the 3 qnd 5 times table

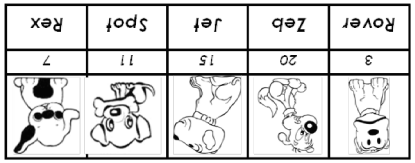
- In this grid, each shape stands for a number.
- The numbers shown are the totals of the line of three numbers in the row or column.
- Find the remaining totals.
- Say what number each shape stands for

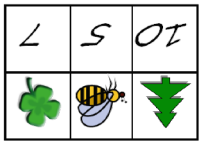




SOLUTIONS







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