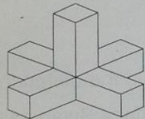TODAY ITS VARIED MENTAL MATHS QUESTIONS. REMEMBER, Y6, YOU CAN WRITE JOTTINGS/ DRAW DIAGRAMS BUT YOU SHOULD NOT NEED FORMAL CALCULATIONS HERE

SECTION 1

1. 0.625 as a fraction.
2. $48 \div 3$.
3. The cube root of 125.
4. $25 \div (9 - 4)$.
5. Half of 0.5.
6. 30.05×10.
7. $41 - 29 + 28$.
8. What is 0.03kg in grams?
9. $9.6 - 2.8$.
10. Find the total of 5, 9, 7, 4 and 6.
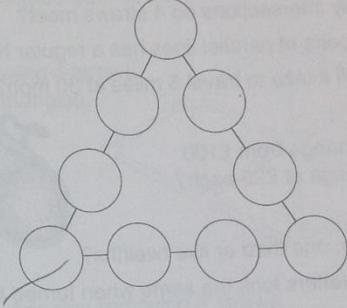
SECTION 2

1. Which is colder: 0°C or 0°F?
2. How many 34p tins of beans can you get for £1?
3. How many lines of symmetry has an equilateral triangle?
4. Imagine a cone. How many edges has it?
5. What is the least number of cubes needed to make this solid shape?
6. Find the product of 8 and 52.
7. How many planes of symmetry has a square based pyramid?
8. Which is the smallest: 0.625, 0.25, 0.375, 0.125, 0.5?
9. How many miles an hour is two miles a minute?
10. Imagine a goat tied to a post. What shape is the area of grass it can eat?

SECTION 3

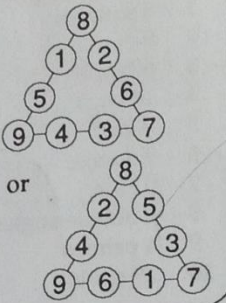## Magic triangle

Copy the diagram.

Use each of the numbers from 1 to 9.
Write one number in every circle.

The sum of the numbers on each side of the triangle
must add up to 23.

1 2 3 4 5 6 7 8 9

1   Two ninths of 72.

2   6.9 + 1.3.

3   28% as a decimal.

4   Multiply 33 by 4.

5   6 − 9 − 2 + 8.

6   16 × 25.

7   What is 2 mm in metres?

8   37 + 26 − 11.

9   2% of 300 metres.

10   One eighth of 1000.

ANSWERS

Task one		task two	
Task 5a		1	0°F is colder
1	$^5/8$	2	2 tins
2	16	3	3 lines
3	5	4	1 edge
4	5	5	11 cubes
5	0.25	6	416
6	300.5	7	4 planes
7	40	8	0.125 is least
8	30g	9	120 mph
9	6.8	10	Circular
10	31		

Task three	task four	
Task 5b	1	16
	2	8.2
	3	0.28
	4	132
	5	3
	6	400
or	7	0.002 metres
	8	52
	9	6 metres
	10	125