

Notes and answers for teachers.

The 5 clues for this murder mystery were made using a free programme called Tarsia. This is an easy to download programme which is popular with Secondary School Maths teachers but can be used in Primary schools as well. Children match up a calculation with an answer or in the case of clue 5, equivalent metric quantities. A geometric shape is formed and the clue is found by reading and deciphering the numbers on the outside of this shape, starting with the underlined number in a clockwise direction.

The clues are all in pdf format. The pieces of each jigsaw puzzle have a reverse side with the clue number on it. However, it is beyond my photocopying skills to produce perfect pieces with the edges for the front and back of each piece lined up exactly.

In order to avoid the classroom nightmare of hundreds of jigsaw pieces from different clues all mixed up, I would strongly suggest that each clue be photocopied on a different coloured paper. This sort of activity is often done by pairs or groups. Each pair or group only needs one clue at a time. As soon as the clue answer has been written down, the pieces can be scrambled ready for another group.

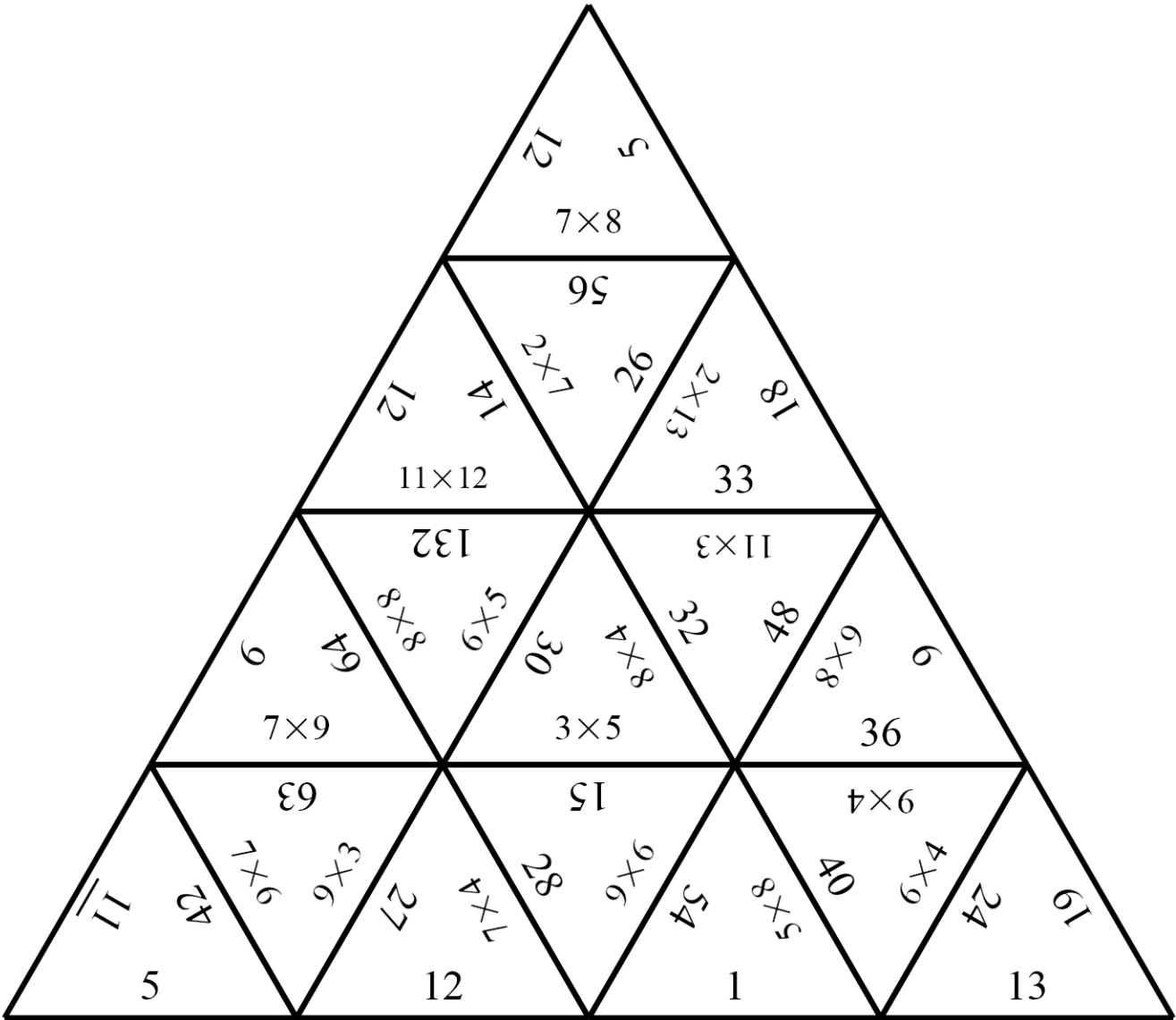
The pieces for clues 1-3 are equilateral triangles and for clues 4-5: squares. If you are really keen, the puzzles can be laminated.

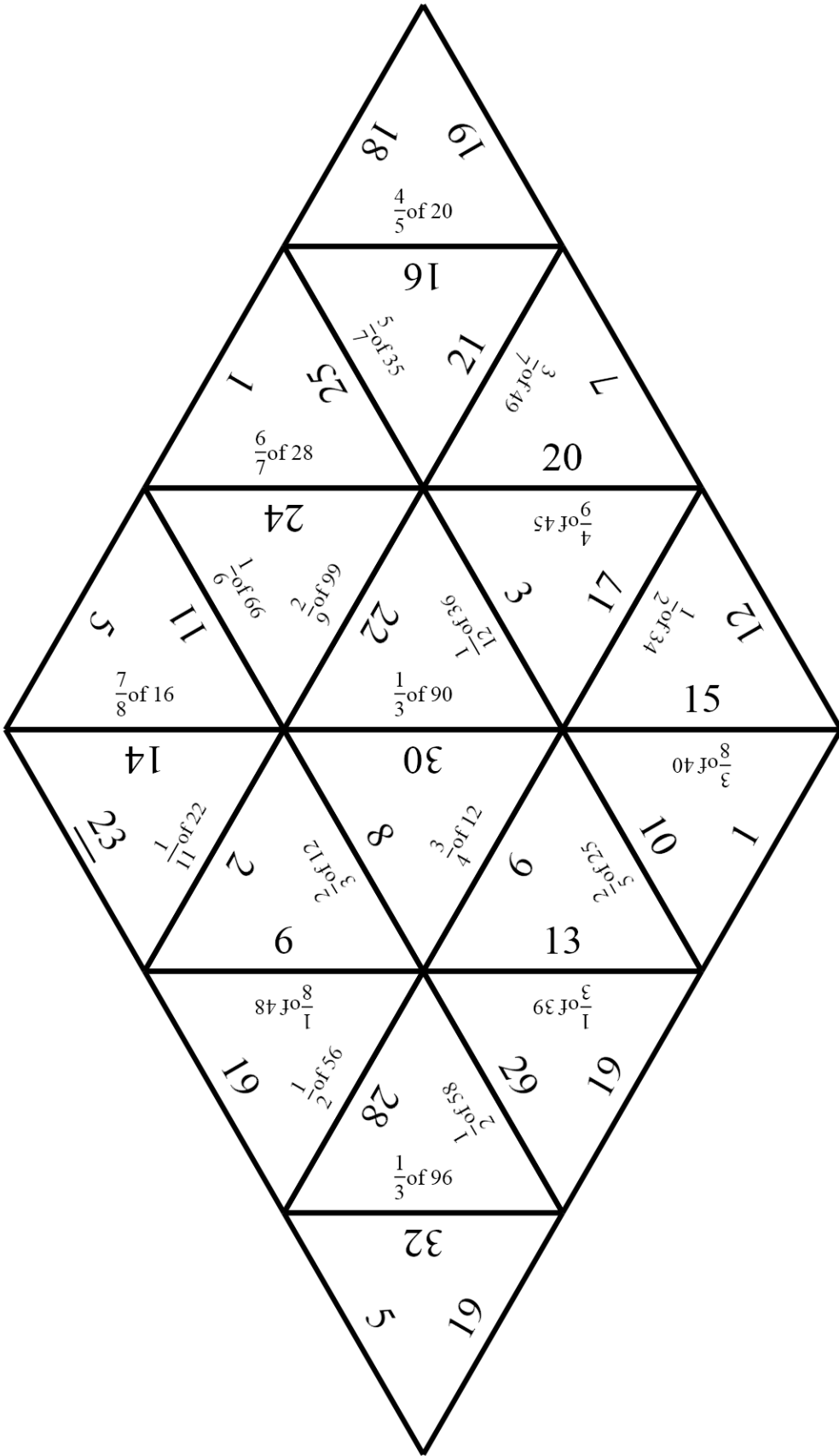
Clue	Shape of jigsaw	testing	answer
1	equilateral triangle	tables	Killer is male
2	rhombus	Fractions of amounts	Wears glasses
3	parallelogram	% of amounts	Loves iphones
4	square	BIDMAS	Writes left handed
5	rectangle	Units of measurement	Drives a blue car

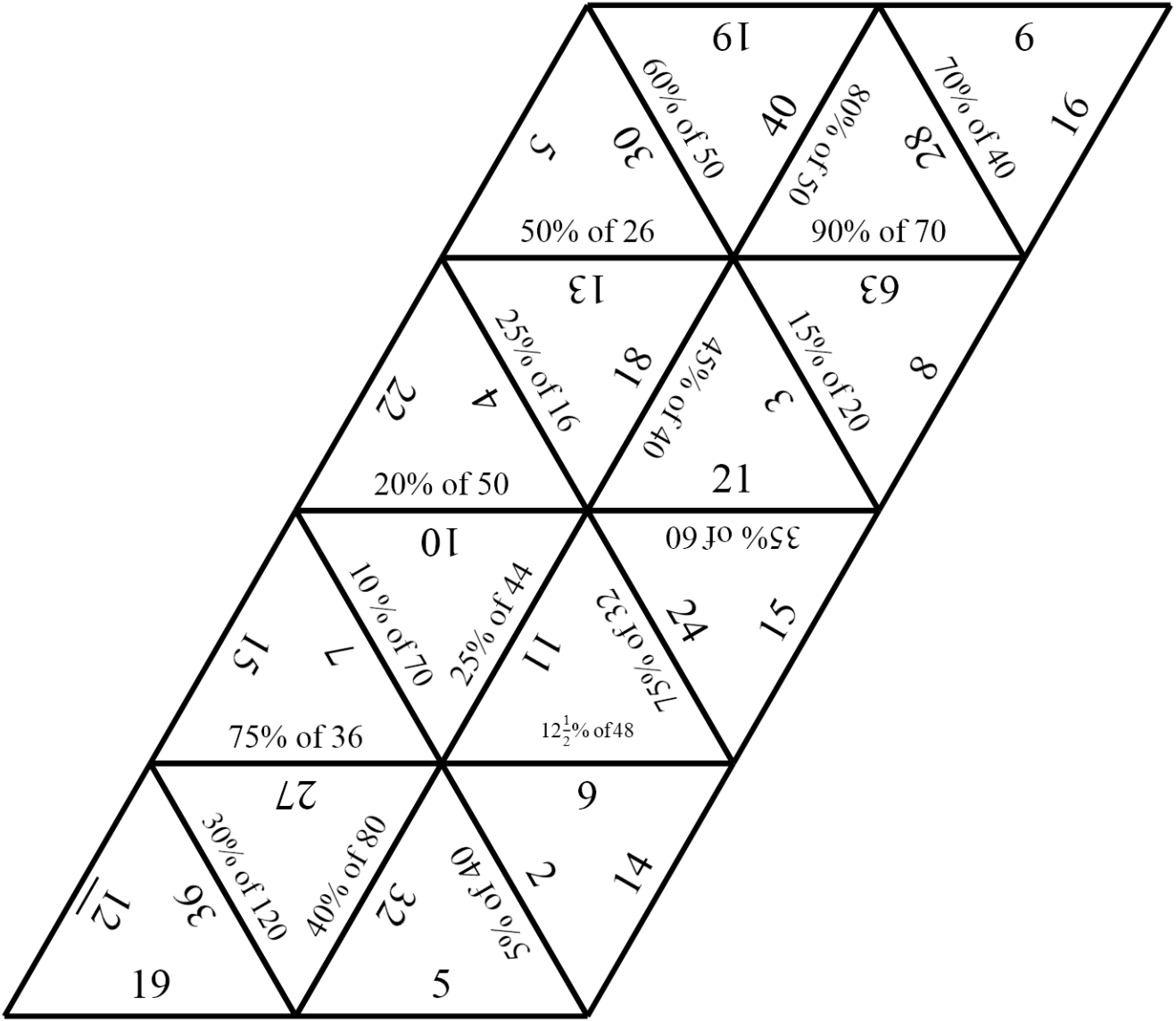
This should lead to the killer being identified as Delroy Dimples.

Tarsia download:

http://www.mmlsoft.com/index.php?option=com_content&task=view&id=11&Itemid=12







5	20	2	5	61	21	5	9
$L \times E - 3E$	$2 + (7 - 8)$	48	$(5 - 8) \times (E + 1) \times (E + 2)$	$3 + 2^2$	$(152 - 32) \div (12 - 9)$	$132 \div (16 - 4)$	
9	69	33	$(50 - 5) \div 5 + 20$	30	$4^2 + 2 \times 7$	11	20
$8 \times 4 + 1$	$7 \times 4 - 05$	$2^4 \times 2$	$(2 + 2) \times 7$	92	$39 \div 3 \times 2$	$(25 + 14) \div (72 - 69)$	
18	27	31	$(3 + 1) \times (3 + 3)$	82	24	31	8
$E + 8 \times E$	$5 \times 9 + 1$	$2^2 \times 3^2$	$10^2 \div 2 + 3$	9E	$2^2 \times 2^2$	51	
23	21	17	$16 \times 0.5 + 0.75 \times 12$	91	14	1	
4	4	4		4			

9	3000m	3tonnes	3000kg	5minutes	300seconds	30000m ²	3km ²	300minutes	5hours	30minutes	30m ²	30mm	3m	2
18	300cm	30ml	3cl	30l	300ml	300ml	30cl	30minutes	30cl	30minutes	30mm ²	30m	3m	12
18	3m	3l	3000ml	30000cm ³	30000g	30kg	30kg	1/2hour	3kg	30000cm	3000g	30000cm	3m	21
18	3m	3l	3000ml	30000g	30kg	30kg	30kg	30000cm	3000g	30000cm	3000g	30000cm	3m	21