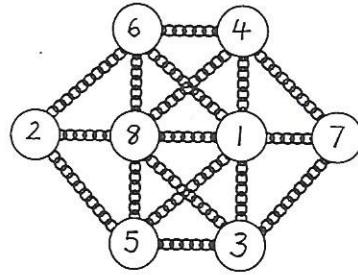


- 1 336 animal jigsaws      304 people jigsaws  
 112 buildings jigsaws    848 shapes jigsaws
- 2 (a) 27      (b) 184      (c) 52      (d) 678
- 3 428 fewer
- 4 1176 more

**Extra**

Write the numbers 1 to 8 in the circles so that no two consecutive numbers are linked.



Other positions for the numbers are possible.

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1	Plasto-kits	small	$\frac{21}{50}$	42%
		medium	$\frac{9}{25}$	36%
		large	$\frac{11}{50}$	22%
Do-kits	small	$\frac{8}{25}$	32%	
	medium	$\frac{1}{5}$	20%	
	large	$\frac{12}{25}$	48%	
Meta-kits	small	$\frac{1}{2}$	50%	
	medium	$\frac{1}{10}$	10%	
	large	$\frac{2}{5}$	40%	

- 2 • large kits, 25%  
 • small kits, 75%

3 420 Klay-kits were made.

**30** ANSWERS

- 1 Prize tickets are (d), (g) and (h).
- 2 Here is one possible winning ticket for each number.

(a) 

$\frac{1}{5}$	20%	0.2
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(b) 

$\frac{65}{100}$	65%	0.65
------------------	-----	------

(c) 

$\frac{1}{25}$	4%	0.04
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(d) 

$\frac{4}{5}$	80%	0.8
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3 30 winners live in Northern Ireland.

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Heinemann Mathematics P7 Home Link-up  
 Textbook page 52, Workbook page 10

Pattern: drawing and continuing

- 1 For each example • draw the next two patterns  
 • write the number of dots and lines in each pattern.

(a)

Dots	3	5	7	9	11
Lines	3	6	9	12	15

(b)

Dots	4	6	8	10	12
Lines	5	9	13	17	21

- 2 Complete the missing numbers in these patterns.

(a) 192, 283, 374, 465, 556, 647, 738, 829.  
 (b) 10, 12, 15, 19, 24, 30, 37, 45, 54.

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1 (a) Number of dots	Number of lines	(b) The number of lines is 2 times the number of dots.
1	→ 2	(c) • 20 lines • 30 lines • 54 lines
2	→ 4	
3	→ 6	
4	→ 8	
5	→ 10	

- 2 (a) The number of red beads is the number of white beads divided by 8.  $\square = 9$   
 (b) The number of red beads is the number of white beads less 7.  $\square = 41$   
 (c) The number of red beads is the number of white beads plus 9.  $\square = 26$