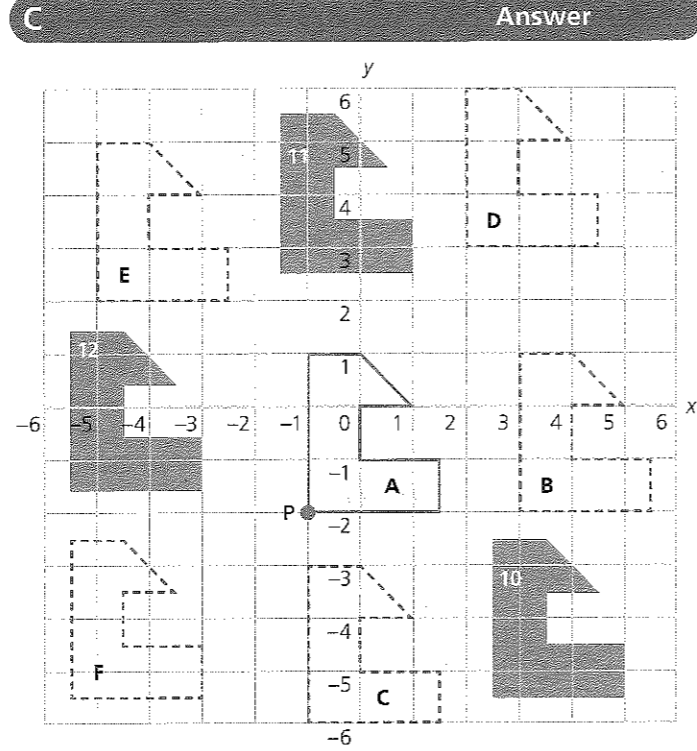


# SECTION 1 | Test 12

- A Answer**
- $1760 \div 16 =$  ..... 110
  - $(0 + 5) \times (5 - 5) =$  ..... 0
  - $3.17 \times 10^3 =$  ..... 3170
  - Put the following in order of size, smallest first:  
 $1\frac{1}{2}$ , 0.5, 1.5%,  $\frac{15}{50}$  ..... 1.5%  $\frac{15}{50}$  0.5  $1\frac{1}{2}$
  - Express 15% of 3 as a fraction in its simplest form. ....  $\frac{9}{20}$
  - $2 - 0.008 + 1.4 =$  ..... 3.392
  - $(2.2 \times 4.5) - (1.5 \times 2.2) =$  ..... 6.6
  - Approximate 1.057 to one decimal place. .... 1.1
  - Estimate to the nearest ten.  $2480 \div 49$  ..... 50
  - $3y + 4 = 25$ . Find the value of  $y$ . ..... 7
  - Is 47 a composite or prime number? ..... prime
  - Write down the next two numbers of the sequence.  
1, 3, 7, 15, ..... 31 63

- B Answer**
- $\pounds 100 \div 80 =$  .....  $\pounds 1.25$
  - I put down a 10% deposit on a car costing  $\pounds 8750$ . How much is left to pay? .....  $\pounds 7875$
  - Change 3.3m to millimetres. .... 3300mm
  - $3.75\text{m} + 452\text{cm} + 1105\text{mm} =$  ..... 9.375m
  - The time 11:35 is the same as 25 minutes to 12
  - What is the length in millimetres when an 11.5cm line is enlarged by a scale factor of 3? ..... 345mm
  - Find the area of a square field whose perimeter is 60m. .... 225m<sup>2</sup>
  - A rhombus is drawn so that its smallest angle is half the size of its largest angle. What size is the smallest angle? ..... 60°
  - Which letters of the word BOUGHT have both a vertical and a horizontal axis of symmetry? ..... O H
  - If 1000 envelopes cost  $\pounds 27$ , find the cost of one to the nearest 1p. .... 3p



- Write down the coordinates of point P on shape A. (....., -1, ..... -2)
- Write down the mapping which translates shape A to position B.  $(x, y) \rightarrow (x + 4, y)$
- Write down the mapping which translates shape A to position C.  $(x, y) \rightarrow (x, y - 4)$
- Write down the mapping which translates shape A to position D.  $(x, y) \rightarrow (x + 3, y + 5)$
- Write down the mapping which translates shape A to position E.  $(x, y) \rightarrow (x - 4, y + 4)$
- Write down the mapping which translates shape A to position F.  $(x, y) \rightarrow (x - 4.5, y - 3.5)$
- Write down the horizontal mapping that will bring point P to the y-axis.  $(x, y) \rightarrow (x + 1, y)$
- Write down the vertical mapping that will bring point P to the x-axis.  $(x, y) \rightarrow (x, y + 2)$
- Write down the mapping that will bring point P to the origin.  $(x, y) \rightarrow (x + 1, y + 2)$
- On the above grid draw in the position of shape A when translated by the mapping  $(x, y) \rightarrow (x + 3.5, y - 3.5)$ .
- On the above grid draw in the position of shape A when translated by the mapping  $(x, y) \rightarrow (x - 0.5, y + 4.5)$ .
- On the above grid draw in the position of shape A when translated by the mapping  $(x, y) \rightarrow (x - 4.5, y + 0.5)$ .

Name of pupil		Diagnostic Chart for Section 1											
		Indicate where pupil has difficulty											
		1	2	3	4	5	6	7	8	9	10	11	12
Test 1	Part A												
	Part B												
	Part C												
Test 2	Part A												
	Part B												
	Part C												
Test 3	Part A												
	Part B												
	Part C												
Test 4	Part A												
	Part B												
	Part C												
Test 5	Part A												
	Part B												
	Part C												
Test 6	Part A												
	Part B												
	Part C												
Test 7	Part A												
	Part B												
	Part C												
Test 8	Part A												
	Part B												
	Part C												
Test 9	Part A												
	Part B												
	Part C												
Test 10	Part A												
	Part B												
	Part C												
Test 11	Part A												
	Part B												
	Part C												
Test 12	Part A												
	Part B												
	Part C												