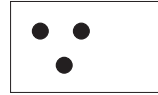


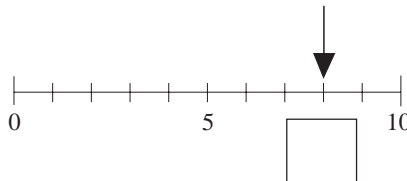
# TEST 6

---

1. Complete the picture so that it has 7 dots.



2. What is the number shown?



3. Fill in the missing numbers.

(a)  $2 + 3 = \square$

(b)  $4 - 1 = \square$

(c)  $3 + 4 = \square$

(d)  $4 + \square = 9$

(e)  $8 - \square = 3$

(f)  $\square + 7 = 7$

4. (a) Write these numbers in order of increasing size.

12, 7, 15, 4, 1, 10, 18

.....

(b) Circle all the **odd** numbers.

5.

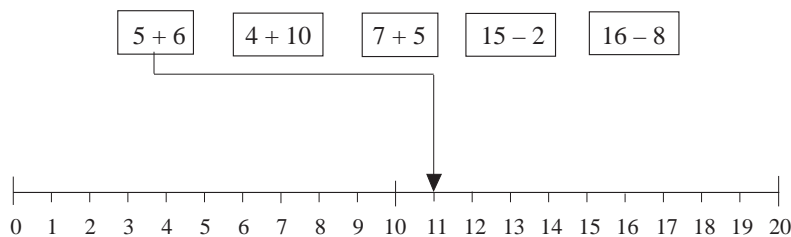


(a) Write the letter **A** on the third shape from the left.

(b) Write the letter **B** on the fourth shape from the right.

(c) Write the letter **T** on any triangle.

6. Show with an arrow the answer to each sum. The first one has been done.



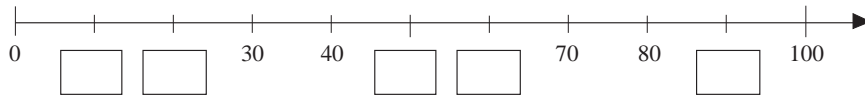
## Test 6A

7. What is the next number?

(a) 3, 6, 9, 12,       (b) 20, 18, 16, 14,

(c) 2, 6, 10, 14,

8. Fill in the missing numbers on the number line.



9. Fill in the missing numbers.

(a)  $27 + 12 =$        (b)  $35 - 3 =$

(c)  $15 + 17 =$        (d)  $46 - 18 =$

(e)  $73 +$    $= 99$       (f)  $43 -$    $= 27$

10. Fill in the missing numbers.

(a)  $8 \times 2 =$        (b)  $14 \div 2 =$

(c)  $15 \div$    $= 3$       (d)  $6 \times$    $= 18$

11. Fill in the missing numbers.

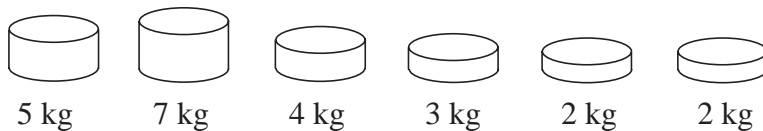
(a) 31, 37, 43, ,

(b) , 12, 19, 26,

(c) 3, 9, 27,

12. Mary buys two sweets costing 20 p and 23 p.  
What is her change from 50 p?

13. Colour the weights which together make exactly 17 kg.



## Test 6A

14. Tickets cost £4 each. How many can be bought for £15?

15. 20 cards are shared out equally among 5 children.  
How many cards does each child have?

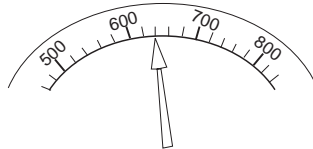
16. Colour in a quarter of the total number of circles.



17. Peter thinks of a number. He multiplies it by 3, takes away 2 and gets 25. What was his number?

18. A woman has £100. She earns £50 more and spends £70.  
How much does she have now?

19. To which number is the arrow pointing?

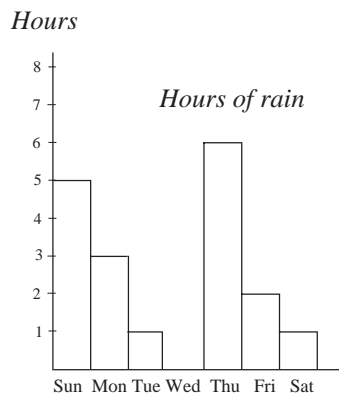



20. (a) Continue this sequence:

312, 316, 321, 327, ,

(b) Write down the rule. ....  
.....

21. The hours of rain recorded in one week are shown below.



- (a) On which day did it rain for the longest time?
- (b) How many hours of rain were there on Friday?
- (c) Were there any days when it did not rain at all?


## Test 6A

22. Fill in the missing numbers:

(a)  $5 \times 10 =$   (b)  $4 \times 60 =$

(c)  $230 \div 10 =$   (d)  $800 \div 40 =$

23. Write the following numbers in digits:

(a) seven hundred and sixty one

(b) three hundred and nine


24. A supermarket sells five different sized bottles of cola.



100 ml



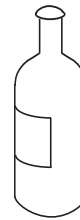
200 ml



400 ml



800 ml



*Super Giant*

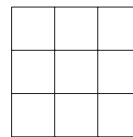
The *Super Giant* size follows the same content pattern as the four smaller bottles.

How much cola does the *Super Giant* size contain?

25. Using the digits 1, 6 and 7 once, and only once, write down the greatest number you can make.

26. What is the total cost of four books at £1.15 each?

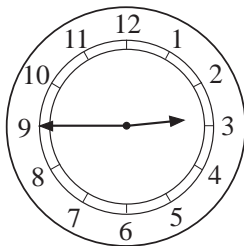
27. Colour in  $\frac{1}{3}$  of the total number of squares.



28. What is 246 rounded to the nearest: (a) 10

(b) 100?


29.



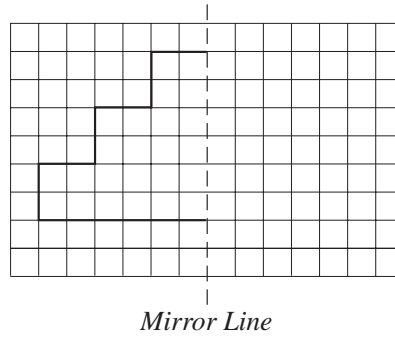
What time is shown on the clock?

hours

minutes

## Test 6B

30. Reflect this shape in the mirror line.



31. I think of a number. I double it and take away 17.  
The answer is 45. What was the number?

32. Write the following numbers in digits:

(a) four thousand and sixty three

(b) three thousand, two hundred and four

33. Using the digits 2, 3, 8 and 9 once and only once,  
write down the smallest number that you can make.

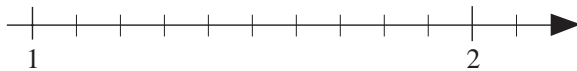
34. What is:

(a)  $\frac{1}{10}$  of 50 g

(b)  $\frac{1}{3}$  of 12 years?

35. The temperature changes from  $-4^{\circ}\text{C}$  to  $7^{\circ}\text{C}$ .  
What is the increase in temperature?

36. On the number line below, show the numbers: (a)  $1\frac{1}{2}$  (b) 1.7



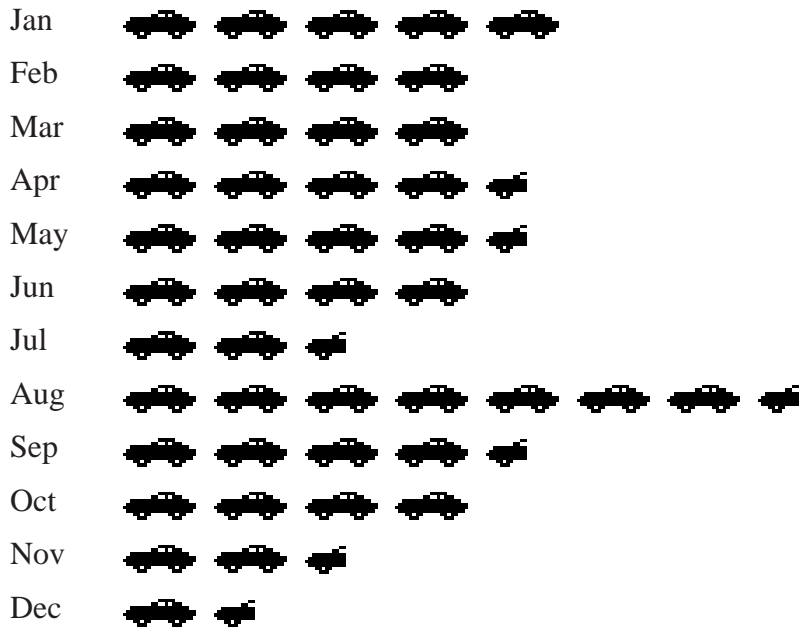
37. What is  $\frac{3}{10}$  as a decimal?

38. What is 0.6 as a fraction?

39. What is  $\frac{3}{5}$  of 100 m?

## Test 6B

40. Monthly car sales in 1990 are shown below. Each car represents 50 000 cars.



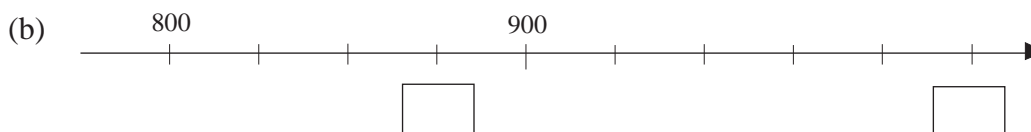
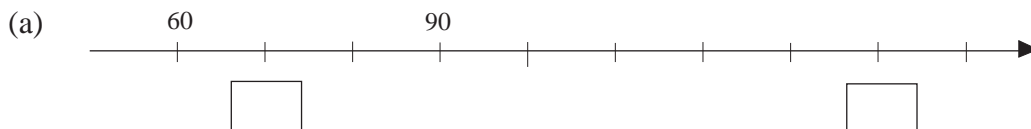
- (a) How many cars were sold in February?
- (b) In what month were car sales lowest?
- (c) How many cars were sold in that month?


41. *Square, Cube, Sphere, Triangle, Cylinder, Rectangle*

Which of these shapes are:

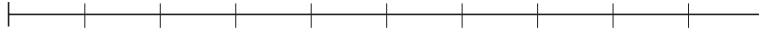
- (a) 2-dimensional .....
- (b) 3-dimensional? .....

42. Fill in the correct numbers in each box.



## Test 6B

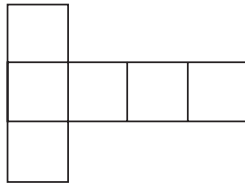
43. The line below is 1 unit long. Write down the length of the other lines.



(a)

(b)


44. Six squares (each of side 1 cm) are joined together as shown below.



(a) What is the perimeter length of this shape?

(b) What is the total area of this shape?


45.

# MATHS

(a) Which of the letters above have just **one** line of symmetry?

(b) Which of the letters have **two** lines of symmetry?


46 Say whether the statements below are

**certain, possible or impossible**

(a) It will be sunny tomorrow.

(b) Next year is 2021.

(c) You will be King next week.

(d) England will win the World Cup in the year 2022.


## Test 6B

47. A football team scored the following number of goals in 10 matches

3, 0, 2, 2, 4, 2, 5, 1, 0, 1

What is the mean number of goals scored per match?

48. Pencils cost 15 p each. (a) How many can be bought for £2?

(b) How much change will there be?

49. 6 tickets cost £2.10. What is the cost of 13 tickets?

50. Estimate the value of  $\frac{367 \times 27}{33}$

51. (a)  $40 \times 50 =$

(b)  $30 \times 650 =$

(c)  $1200 \div 10 =$

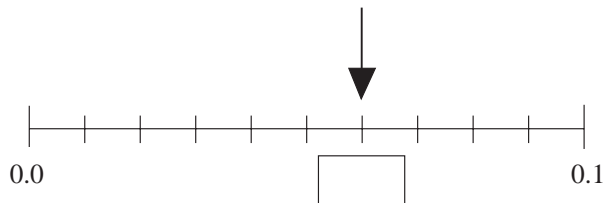
(d)  $2400 \div 80 =$

52. Complete these equations.

(a)  $\frac{4}{5} +$    $= 1$       (b)  $1 -$    $= \frac{4}{7}$

(c)   $+ \frac{3}{8} = 2$

53. (a) What is the number shown on the number line?



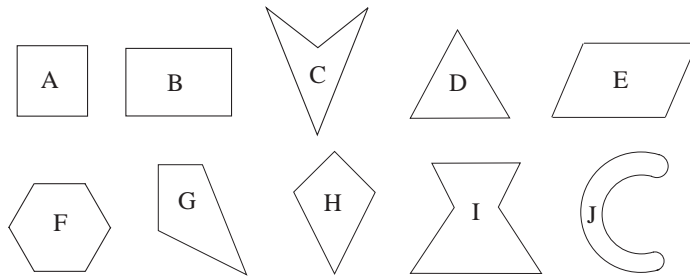
(b) Show the position of 2.13 on the number line.





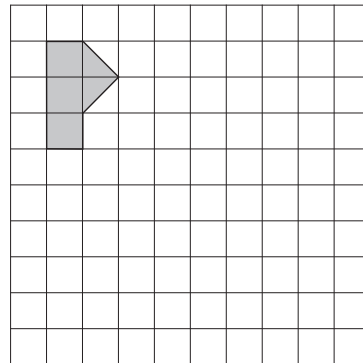
## Test 6C

54. Write the letter of each shape beside the words which describe it.  
Shapes can be listed more than once.

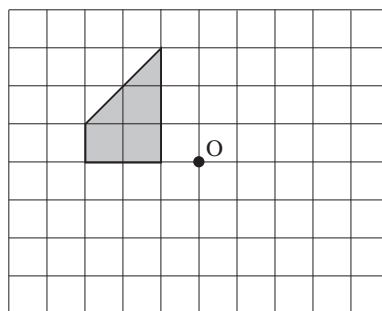


- (a) Exactly one line of symmetry .....
- (b) More than two lines of symmetry .....
- (c) Exactly one pair of parallel sides .....
- (d) Exactly two pairs of parallel sides .....

55. Enlarge this shape by a factor of 3.



56. Rotate this shape by 2 right angles (180°) about the point O.



57. A train leaves a station at 09.25 and takes 45 minutes to reach the next station. At what time does it arrive at the next station?

58. What is 10% of 300 m?

59. What is 25% of 60 kg ?

## Test 6C

60. Express 20% as a fraction.

61.  $\frac{1}{2} + \frac{1}{4} =$

62.  $\frac{1}{2} - \frac{1}{3} =$

63.  $70 \times 0.3 =$

64.  $\frac{3}{5}$  of a length is 30 m. What is the length?

65. Taking 8 km as 5 miles, estimate the distance of a 5000 metre race in miles.

66.  $810 \div 0.9 =$

67. An unbiased dice is thrown. What is the probability of

(a) throwing a six

(b) throwing a number greater than 3?

68. The probability of it raining tomorrow is  $\frac{1}{4}$ .

What is the probability of it **not** raining tomorrow?

69. Solve for  $x$ ,  $x + 2 = 6$

70. Solve for  $x$ ,  $3x - 4 = 11$

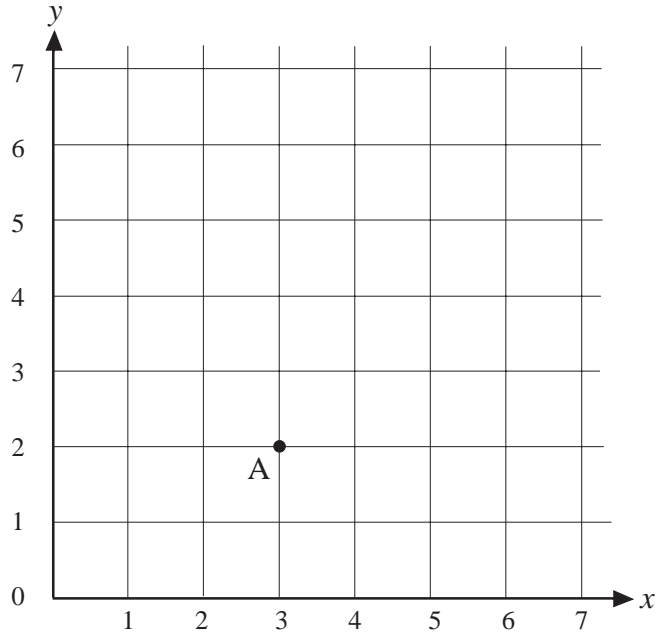
71. Write down the next two terms of this sequence?

2, 5, 10, 17, 26, ,

72. One cake costs 20 p. Write down a formula for the cost of  $n$  cakes.

## Test 6C

73.



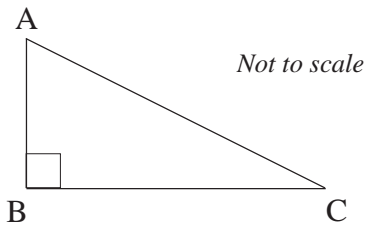
(a) Write down the coordinates of A.

$x =$	$y =$
-------	-------

(b) B is the point (6, 5). Mark the point B on the grid.

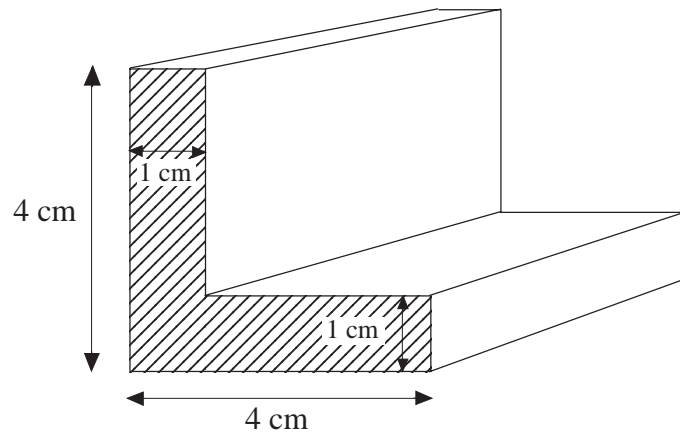
74. In the diagram below,  $\hat{A}BC$  is a right angle.

$AB = 4 \text{ m}$   
 $BC = 5 \text{ m}$ .



What is the area of the triangle?

75. The figure below shows a metal bar.

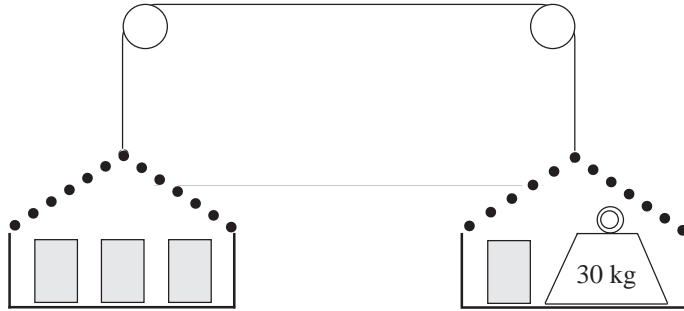


(a) Calculate the **shaded area** in  $\text{cm}^2$ .

(b) The bar is 12 cm long. What is its volume in  $\text{cm}^3$ ?

## Test 6C

76. Each sack weighs the same, and the scales balance.  
What does one sack weigh?



77. 18. Give a number to two decimal place, which lies between  
122.257 and 122.263

78. Let  $v = u + ft$ . Find the value of  $v$  when  $u = 5$ ,  $f = -2$  and  $t = 4$ .

79.  $\frac{1}{2} \times \frac{4}{5} =$

80.  $\frac{1}{3} \div \frac{1}{9} =$

81. £50 is invested in an account which pays 8% interest per year.  
How much interest is paid after one year?