



**Afanwood 11+**  
**Test 2**



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 8 for a fish and £ 11 for chips. There are 92 workers. How much will the cost be?

2. What is the third number in the sequence  $2n + 3$  where  $n$  is initially 8 ?

3. Biscuits come in packs of 8. How many packs are required to purchase 656 biscuits?

4. The temperature in the day is 15 degrees celcius. By midnight the temperature drops by 22 degrees celcius. What is the temperature at midnight in celcius ?

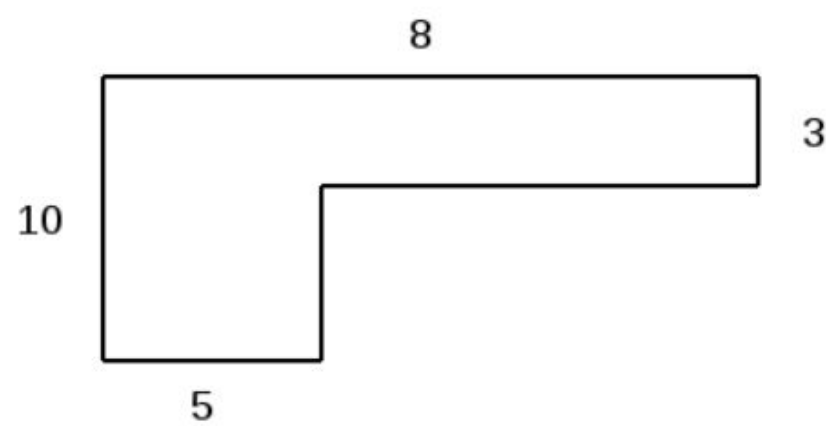
5. A bottle is  $3 \frac{1}{5}$  pints. What is this in litres?

6. A sack of potatoes weighs 7 pounds and 8 ounces. What is this in kilograms?

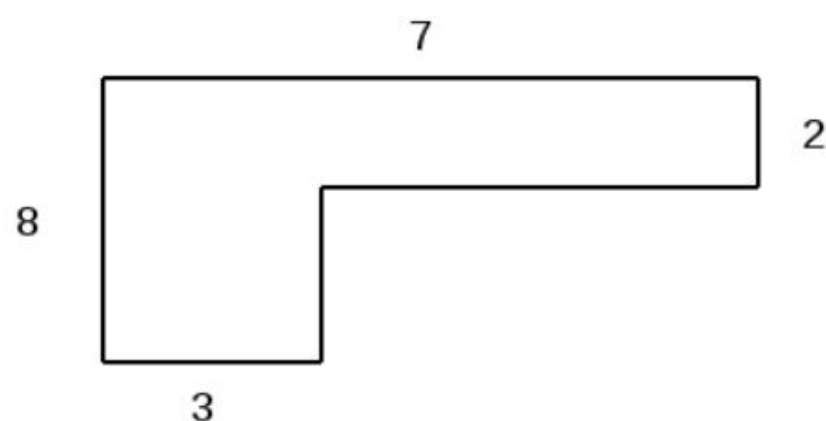
7. A map is drawn to a scale  $1 \text{ cm} = 10\text{m}$ . How long would a 70 m path be on this map in cm ?

8. A map is drawn on a scale 1:50000. How many cm are equal to 11 km

9. What is the perimeter of the shape below?



10. What is the area of the shape below?





11. Three men split £ 290 in the ratio of 15 : 9 : 5. What is the largest amount received?

12. Calculate 48% of 63 ?

13. What is  $4.4 \times 10000$  ?

14. What is  $734 / 1000$ ?

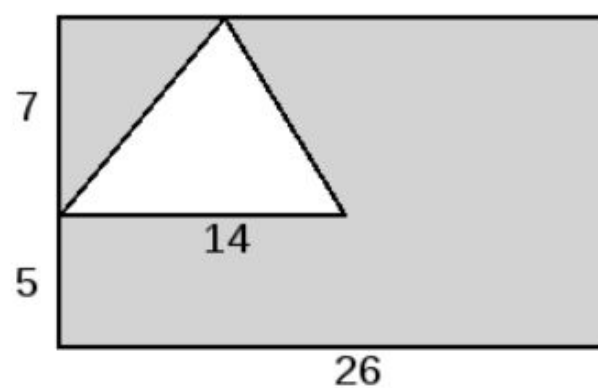
15.  $5(8a + 4b + c) = d$ . If  $a = 5$ ,  $b = 2$  and  $c = 1$  what is  $d$

16.  $5a \times 3b / 2c = d$ . If  $a = 9$ ,  $b = 4$  and  $c = 3$  what is  $d$

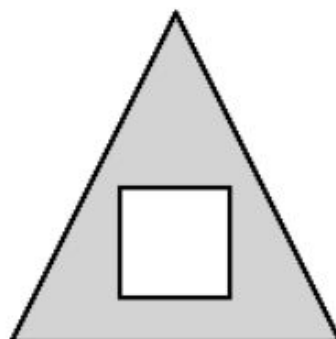
17. A number is squared and then has 11 added to it. The answer is 36 what is it?

18. A patio of 4 square metres is tiled with tiles of 4 cm squared. How many tiles are needed ?

19. What is the grey area of the shape below in cm squared. The diagram is not to scale.



20. What is the grey area of the shape below in cm squared  
The base of the triangle is 6 and the height is 11. The side of the square is 4 .





21. The price of a dress has been reduced by 40 %. If the original price was £ 78 what is it now.

22. What is the square root of 25 ?

23. What is the number 537.136864 rounded to three decimal places

24. What does the digit 8 in 958293 represent?

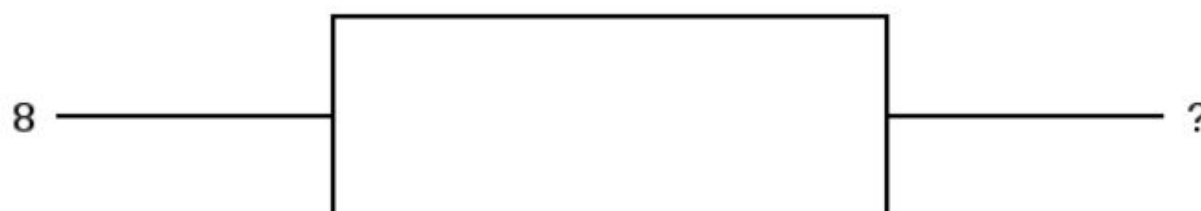
25. Divide 5542625 by 11

26. A post is 5 feet and 9 inches. What is this in metres.

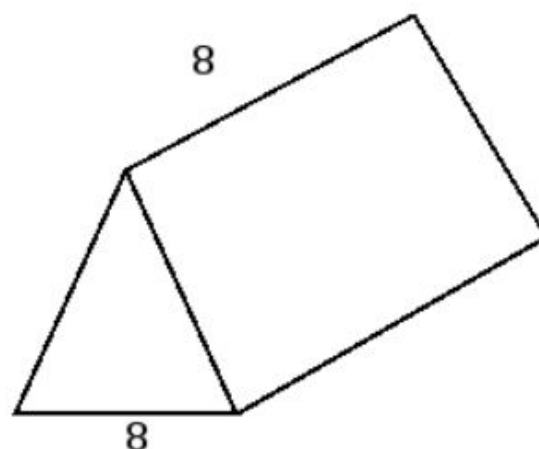
27. A rectangle has a perimeter of 30 cm. Two of the sides are 4 cm. What is the area in cm sq.

28. Multiply 563 by 254

29. The function machine multiplies by 9 and then subtracts 51 . What number is produced ?



30. The height of the prism is 4 cm. What is the volume of the prism in cm cubed





31. A round window has a diameter of 27 cm. What is its radius?

32. How many fifths are there in 19?

33. Three cars travel a straight road. The red car travels 89.56 km and the blue car 84.84 km. The green car is half way between them. How far is the green car from the starting point?

34. Joanne wins £52 and spends 64% of it. How many £ and pence remain?

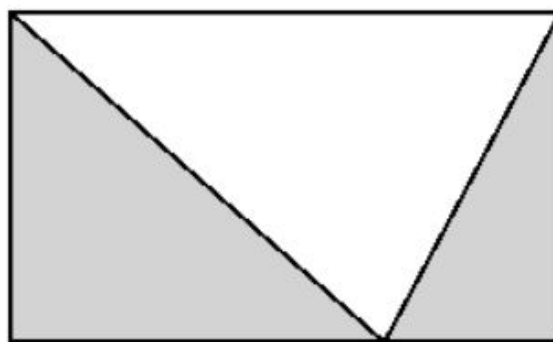
35.  $8a \times 4b - c = d$ . If  $a = 5$ ,  $b = 3$  and  $c = 7$  what is  $d$ ?

36.  $c = 9 + 9 * 4$ . What is the value of  $c$ ?

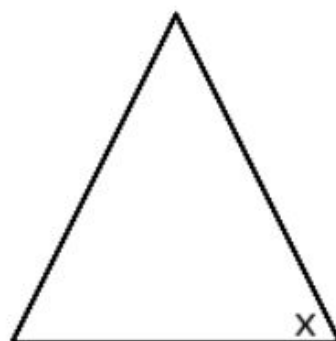
37. What is the median on the following numbers 1, 3, 5, 18, 20, 25, 30

38. A triangle has three 60 degree angles and a perimeter of 42. What is the length of one side?

39. The area of the rectangle is 24 square cm. What is the area of the white triangle in square cm?



40. The triangle below is an isosceles triangle. The angle marked  $x$  is 76 degrees. What is the values if the smallest angle in the triangle.





41. A child cycles to school. It takes 59 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. What is 3624964 mm to the nearest km ?

43. A bird flies 12.37 km, another 89 km and a third 1738 m. How many km do they fly in total?

44. There are 600 ball bearings in a packet. How many ball bearings are there in 12.75 packets?

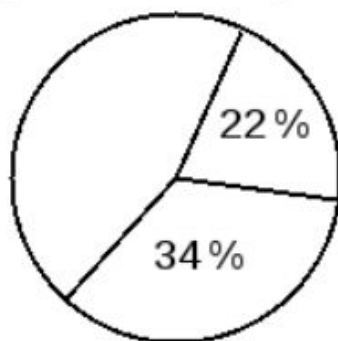
45. What is the mean of 434 , 300 and 343 rounded to two decimal points?

46.  $(7a + 4b) + c = d$ . If  $a = 9$  ,  $b = 8$  and  $c = 5$  what is  $d$

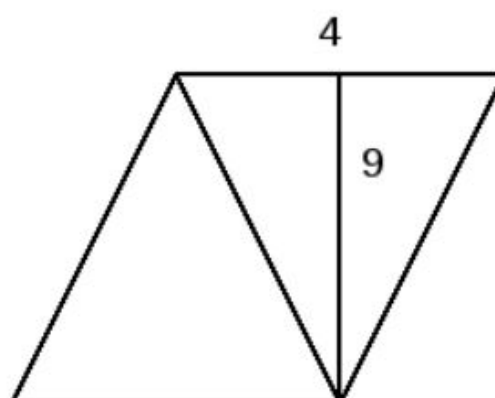
47. There are 121 clubs in an area.  $\frac{5}{11}$  have red in their shirts. How many clubs do not have red in their shirts ?

48. There are 11 boxes. 6 have 12 buns, 3 have 16 and 2 have 11 . How many buns are there?

49. 300 people go to the cinema, which is open on Thursday, Saturday and Sunday. The pie chart segments show percentages for Saturday and Sunday. How many do not go at the weekend ?



50. What is the area of the shape below in cm squared



### Answers (1 - 10)

1. 1748  
2. 35  
3. 82.0  
4. -7  
5. 1.82

6. 3.41  
7. 7  
8. 22  
9. 36  
10. 32

### Answers (11-20)

11. 150  
12. 30.24  
13. 44000.0  
14. 0.734  
15. 245

16. 90.0  
17. 5  
18. 2500  
19. 263.0  
20. 17.0

### Answers (21-30)

21. 46.8  
22. 5  
23. 537.137 (Trailing zeros can be omitted)  
24. 8000  
25. 503875

26. 1.75  
27. 44.0  
28. 143002  
29. 21  
30. 128.0

### Answers (31-40)

31. 13.5  
32. 95  
33. 87.2  
34. 18.72  
35. 473

36. 45  
37. 18  
38. 14.0  
39. 12.0  
40. 28

### Answers (41-50)

41. 590  
42. 4.0  
43. 103.108  
44. 7650.0  
45. 359.0

46. 100  
47. 66  
48. 142  
49. 132  
50. 36

