



Afanwood 11+
Test 9



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 7 for a fish and £ 12 for chips. There are 64 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 680 biscuits?

4. The temperature in the day is 12 degrees celcius. By midnight the temperature drops by 26 degrees celcius. What is the temperature at midnight in celcius ?

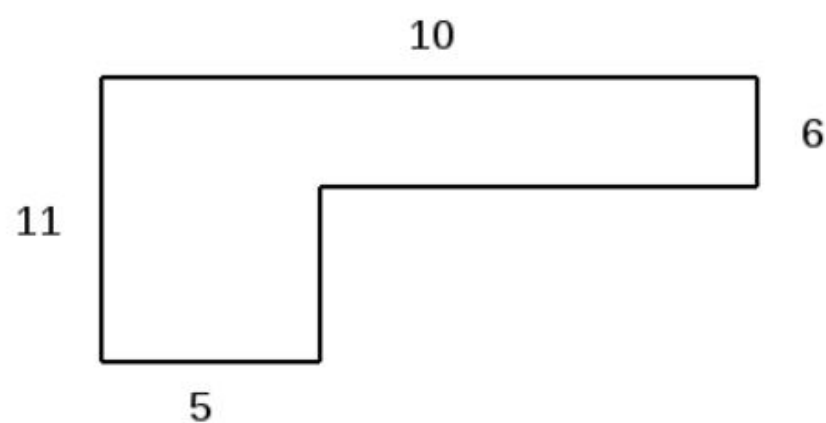
5. A bottle is $8 \frac{1}{5}$ pints. What is this in litres?

6. A sack of potatoes weighs 5 pounds and 8 ounces. What is this in kilograms?

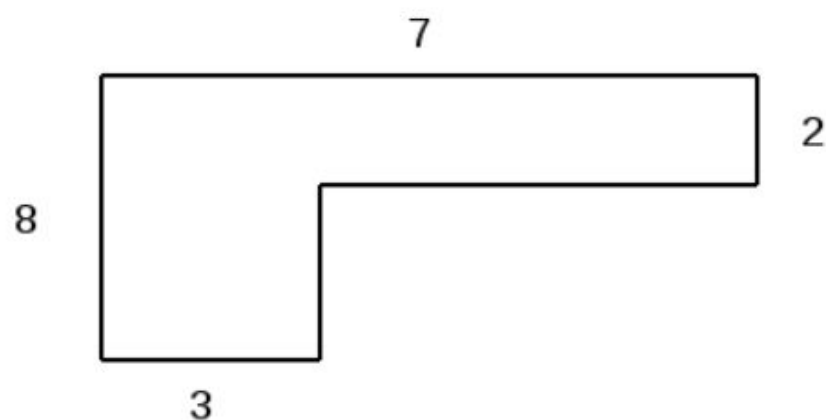
7. A map is drawn to a scale $1 \text{ cm} = 7 \text{ m}$. How long would a 35 m path be on this map in cm ?

8. A map is drawn on a scale 1:50000. How many cm are equal to 10 km

9. What is the perimeter of the shape below?



10. What is the area of the shape below?





11. Three men split £ 220 in the ratio of 12 : 6 : 4. What is the largest amount received?

12. Calculate 38% of 61 ?

13. What is 6.67×10000 ?

14. What is $741 / 1000$?

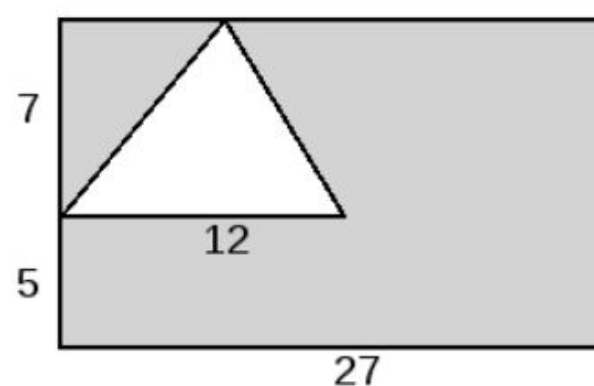
15. $5(8a + 4b + c) = d$. If $a = 7$, $b = 2$ and $c = 1$ what is d

16. $5a \times 3b / 2c = d$. If $a = 4$, $b = 8$ and $c = 2$ what is d

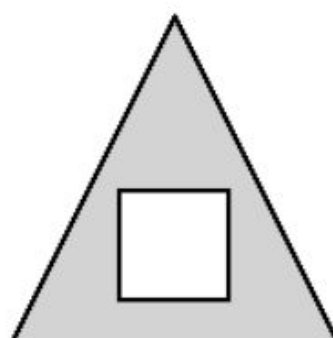
17. A number is squared and then has 19 added to it. The answer is 100 what is it?

18. A patio of 12 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 9 . The side of the square is 2 .





21. The price of a dress has been reduced by 25 %. If the original price was £ 69 what is it now.

22. What is the square root of 36 ?

23. What is the number 530.4226532 rounded to three decimal places

24. What does the digit 8 in 928291 represent?

25. Divide 3072696 by 12

26. A post is 4 feet and 3 inches. What is this in metres.

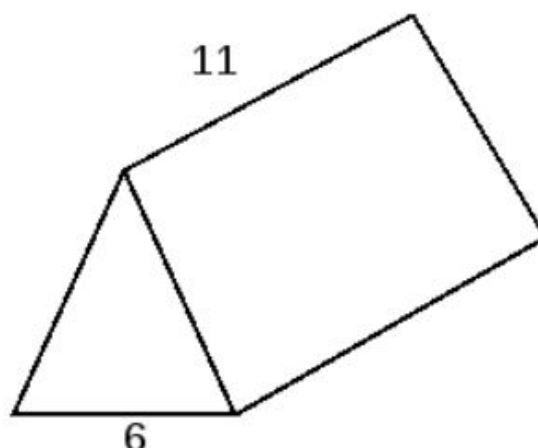
27. A rectangle has a perimeter of 28 cm. Two of the sides are 3 cm. What is the area in cm sq.

28. Multiply 647 by 414

29. The function machine multiplies by 5 and then subtracts 62 . What number is produced ?



30. The height of the prism is 8 cm. What is the volume of the prism in cm cubed





31. A round window has a diameter of 21 cm. What is its radius?

32. How many fifths are there in 18?

33. Three cars travel a straight road. The red car travels 76.59 km and the blue car 107.23 km. The green car is half way between them. How far is the green car from the starting point?

34. Joanne wins £58 and spends 75% of it. How many £ and pence remain?

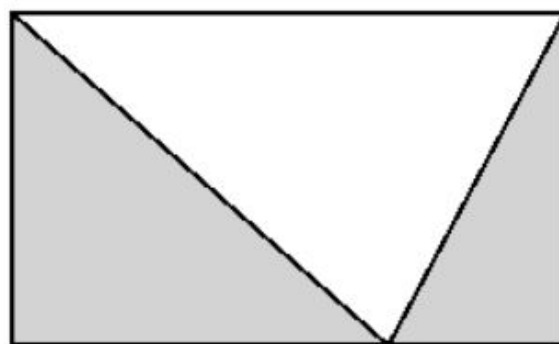
35. $8a \times 4b - c = d$. If $a = 8$, $b = 9$ and $c = 8$ what is d ?

36. $c = 7 + 11 * 4$. What is the value of c ?

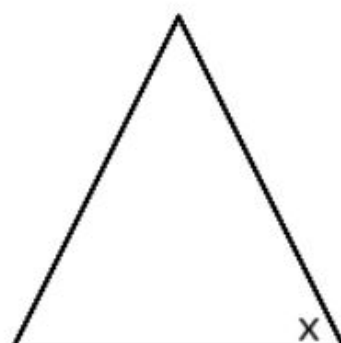
37. What is the median on the following numbers 1, 3, 5, 14, 20, 25, 30?

38. A triangle has three 60 degree angles and a perimeter of 45. What is the length of one side?

39. The area of the rectangle is 23 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 70 degrees. What is the values if the smallest angle in the triangle.





41. A child cycles to school. It takes 37 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. What is 8959553 mm to the nearest km ?

43. A bird flies 12.37 km, another 87 km and a third 1445 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 19.75 packets?

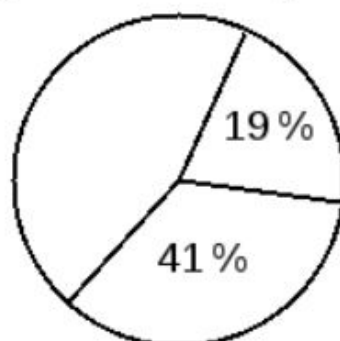
45. What is the mean of 405 , 516 and 642 rounded to two decimal points?

46. $(7a + 4b) + c = d$. If $a = 8$, $b = 4$ and $c = 3$ what is d

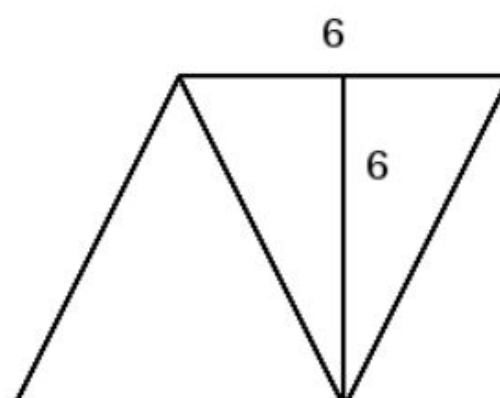
47. There are 209 clubs in an area. $\frac{4}{11}$ have red in their shirts. How many clubs do not have red in their shirts ?

48. There are 11 boxes. 6 have 12 buns, 3 have 17 and 2 have 12 . 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. 1216
2. 35
3. 85.0
4. -14
5. 4.66

6. 2.5
7. 5
8. 20
9. 42
10. 32

Answers (11-20)

11. 120
12. 23.18
13. 66700.0
14. 0.741
15. 325

16. 120.0
17. 9
18. 7500
19. 282.0
20. 23.0

Answers (21-30)

21. 51.75
22. 6
23. 530.423 (Trailing zeros can be omitted)
24. 8000
25. 256058

26. 1.3
27. 33.0
28. 267858
29. -17
30. 264.0

Answers (31-40)

31. 10.5
32. 90
33. 91.91
34. 14.5
35. 2296

36. 51
37. 14
38. 15.0
39. 11.5
40. 40

Answers (41-50)

41. 370
42. 9.0
43. 100.815
44. 11850.0
45. 521.0

46. 75
47. 133
48. 147
49. 120
50. 36

