



Afanwood 11+
Test 8



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 5 for a fish and £ 6 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 6 ?

3. Biscuits come in packs of 8. How many packs are required to purchase 784 biscuits?

4. The temperature in the day is 11 degrees celcius. By midnight the temperature drops by 21 degrees celcius. What is the temperature at midnight in celcius ?

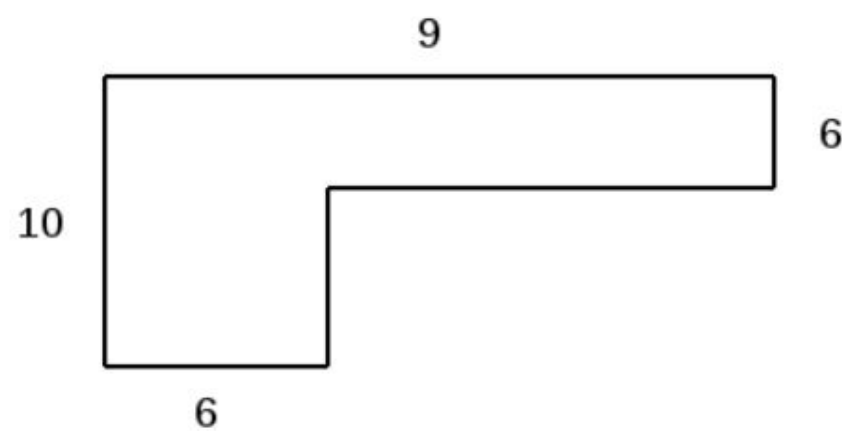
5. A bottle is $5 \frac{1}{5}$ pints. What is this in litres?

6. A sack of potatoes weighs 9 pounds and 8 ounces. What is this in kilograms?

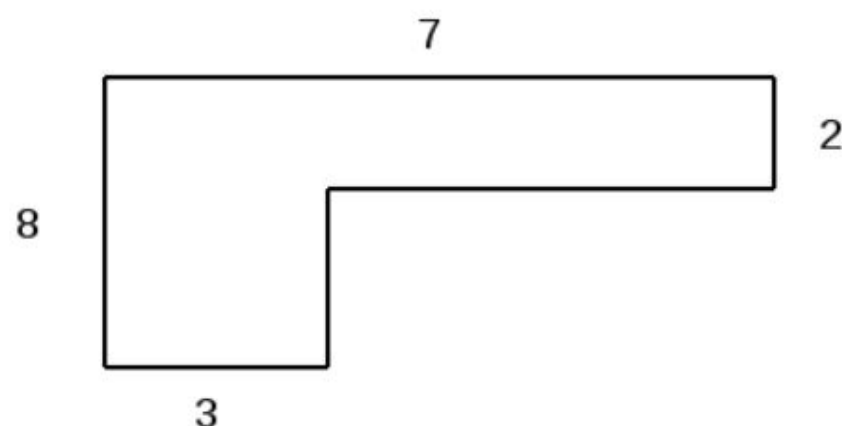
7. A map is drawn to a scale 1 cm = 9 m. How long would a 27 m path be on this map in cm ?

8. A map is drawn on a scale 1:50000. How many cm are equal to 7 km

9. What is the perimeter of the shape below?



10. What is the area of the shape below?





11. Three men split £ 270 in the ratio of 12 : 10 : 5. What is the largest amount received?

12. Calculate 49% of 81 ?

13. What is 8.95×10000 ?

14. What is $260 \div 1000$?

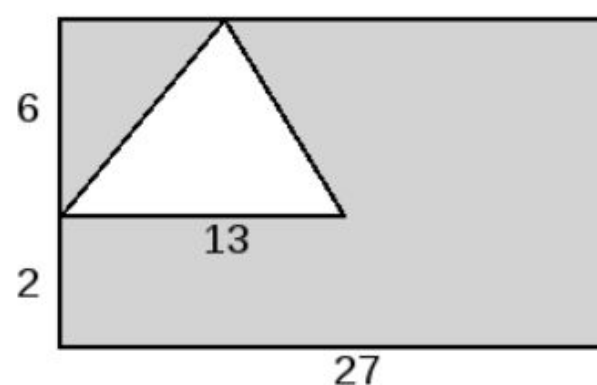
15. $5(8a + 4b + c) = d$. If $a = 11$, $b = 2$ and $c = 1$ what is d

16. $5a \times 3b \div 2c = d$. If $a = 5$, $b = 7$ and $c = 3$ what is d

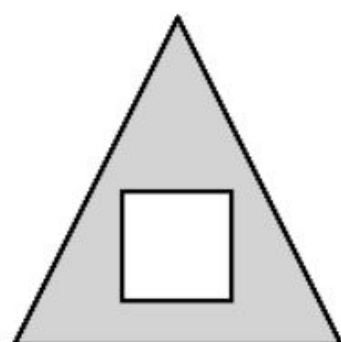
17. A number is squared and then has 17 added to it. The answer is 81 what is it?

18. A patio of 9 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 8 and the height is 9 . The side of the square is 4 .





21. The price of a dress has been reduced by 29 %. If the original price was £ 78 what is it now.

22. What is the square root of 36 ?

23. What is the number 259.33639215 rounded to three decimal places

24. What does the digit 7 in 927295 represent?

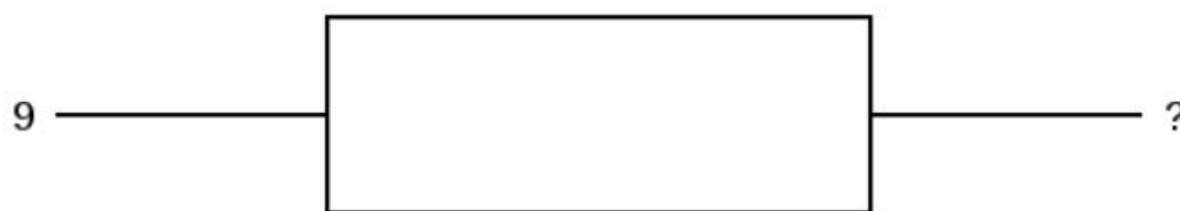
25. Divide 4486041 by 9

26. A post is 5 feet and 6 inches. What is this in metres.

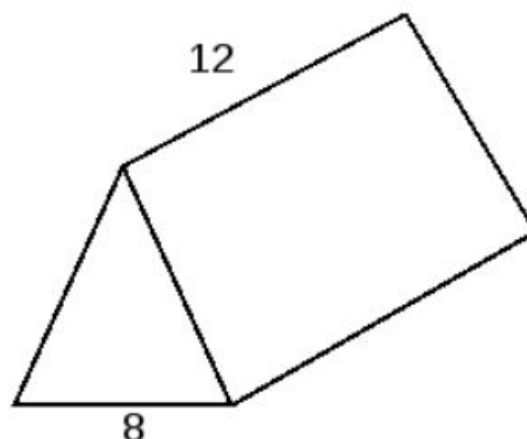
27. A rectangle has a perimeter of 32 cm. Two of the sides are 6 cm. What is the area in cm sq.

28. Multiply 839 by 416

29. The function machine multiplies by 4 and then subtracts 90 . 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 24 cm. What is its radius?

32. How many fifths are there in 17?

33. Three cars travel a straight road. The red car travels 65.99 km and the blue car 75.42 km. The green car is half way between them. How far is the green car from the starting point?

34. Joanne wins £45 and spends 79% of it. How many £ and pence remain?

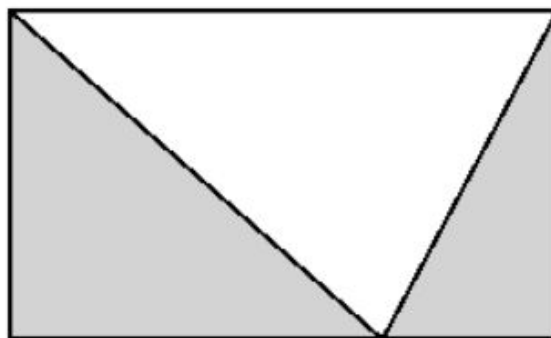
35. $8a \times 4b - c = d$. If $a = 6$, $b = 5$ and $c = 4$ what is d ?

36. $c = 12 + 7 * 5$. What is the value of c ?

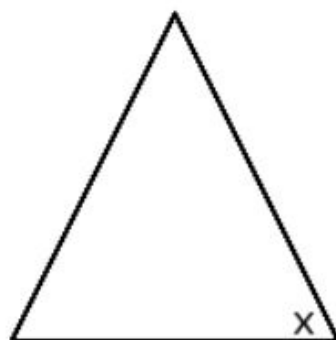
37. What is the median on the following numbers 1, 3, 5, 18, 20, 25, 30

38. A triangle has three 60 degree angles and a perimeter of 51. 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 72 degrees. What is the values if the smallest angle in the triangle.





41. A child cycles to school. It takes 46 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. What is 2429472 mm to the nearest km ?

43. A bird flies 19.37 km, another 88 km and a third 1868 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 15.75 packets?

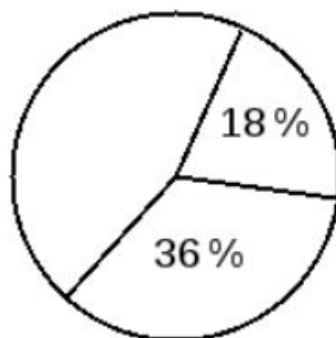
45. What is the mean of 378 , 347 and 866 rounded to two decimal points?

46. $(7a + 4b) + c = d$. If $a = 3$, $b = 6$ and $c = 7$ what is d

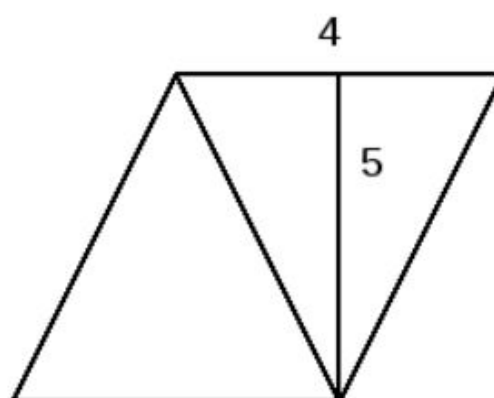
47. There are 275 clubs in an area. $\frac{4}{11}$ have red in their shirts. How many clubs do not have red in their shirts ?

48. There are 11 boxes. 6 have 14 buns, 3 have 16 and 2 have 16 . 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. 704
2. 27
3. 98.0
4. -10
5. 2.95

6. 4.32
7. 3
8. 14
9. 38
10. 32

Answers (11-20)

11. 120
12. 39.69
13. 89500.0
14. 0.26
15. 485

16. 87.5
17. 8
18. 5625
19. 177.0
20. 20.0

Answers (21-30)

21. 63.19
22. 8
23. 309.693 (Trailing zeros can be omitted)
24. 7000
25. 375200

26. 2.03
27. 27.0
28. 230100
29. -24
30. 264.0

Answers (31-40)

31. 12.0
32. 85
33. 70.705
34. 9.45
35. 956

36. 47
37. 18
38. 17.0
39. 12.0
40. 36

Answers (41-50)

41. 460
42. 2.0
43. 109.238
44. 9450.0
45. 530.33

46. 52
47. 175
48. 164
49. 138
50. 20

