



Afanwood 11+
Test 1



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 6 for a fish and £ 12 for chips. There are 74 workers. How much will the cost be?

2. What is the third number in the sequence $2n + 3$ where n is initially 7 ?

3. Biscuits come in packs of 8. How many packs are required to purchase 760 biscuits?

4. The temperature in the day is 10 degrees celcius. By midnight the temperature drops by 19 degrees celcius. What is the temperature at midnight in celcius ?

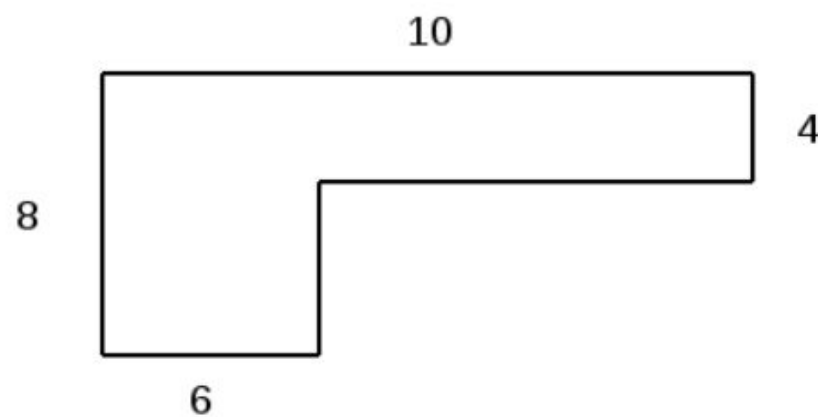
5. A bottle is $9 \frac{1}{5}$ pints. What is this in litres?

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

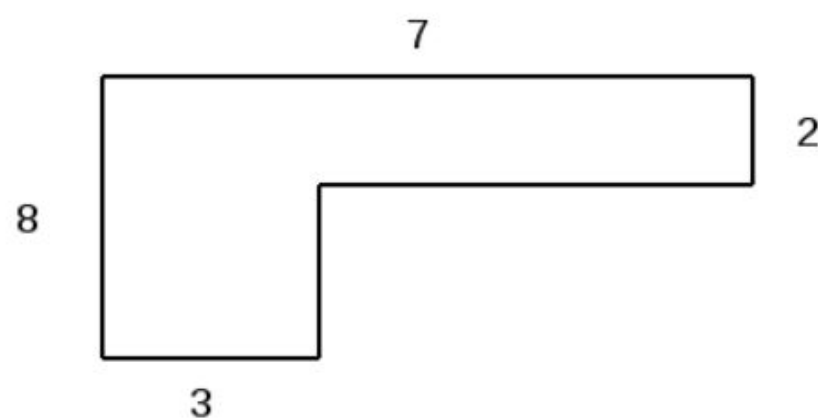
7. A map is drawn to a scale $1 \text{ cm} = 9 \text{ m}$. How long would a 63 m path be on this map in cm ?

8. A map is drawn on a scale 1:50000. How many cm are equal to 9 km

9. What is the perimeter of the shape below?



10. What is the area of the shape below?





11. Three men split £ 225 in the ratio of 11 : 9 : 5. What is the largest amount received?

12. Calculate 35% of 57 ?

13. What is 7.69×10000 ?

14. What is $441 \div 1000$?

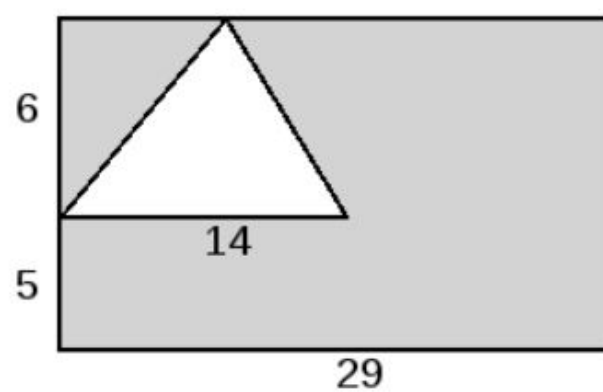
15. $5(8a + 4b + c) = d$. If $a = 9$, $b = 2$ and $c = 1$ what is d

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

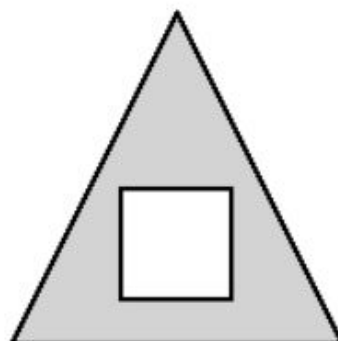
17. A number is squared and then has 16 added to it. The answer is 52 what is it?

18. A patio of 11 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 7 and the height is 12. The side of the square is 2 .





21. The price of a dress has been reduced by 37 %. If the original price was £ 81 what is it now.

22. What is the square root of 121 ?

23. What is the number 376.83508115 rounded to three decimal places

24. What does the digit 7 in 937292 represent?

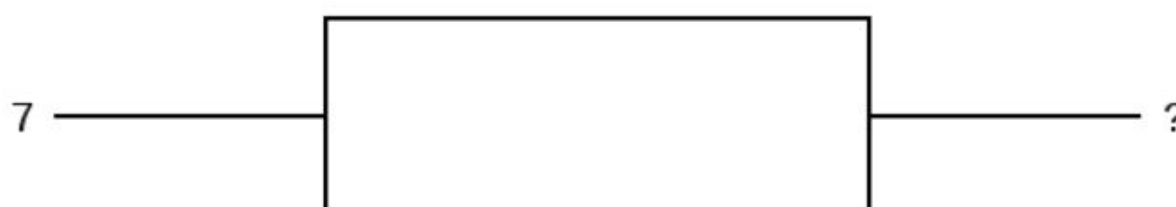
25. Divide 7213041 by 11

26. A post is 9 feet and 7 inches. What is this in metres.

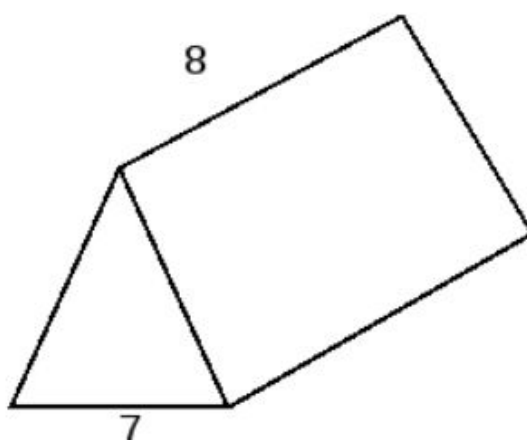
27. A rectangle has a perimeter of 26 cm. Two of the sides are 3 cm. What is the area in cm sq.

28. Multiply 608 by 433

29. The function machine multiplies by 8 and then subtracts 94 . 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 28 cm. What is its radius?

32. How many fifths are there in 15?

33. Three cars travel a straight road. The red car travels 65.99 km and the blue car 86.02 km. The green car is half way between them. How far is the green car from the starting point?

34. Joanne wins £ 80 and spends 72 % of it. How many £ and pence remain ?

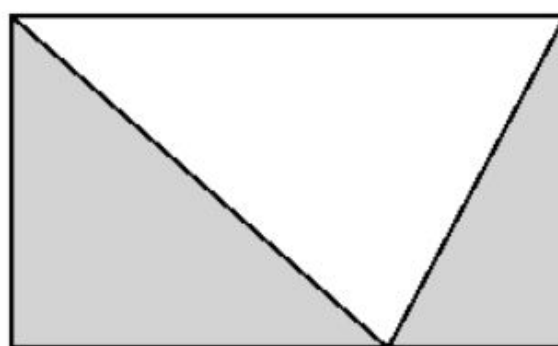
35. $8a \times 4b - c = d$. If $a = 3$, $b = 8$ and $c = 4$ what is d ?

36. $c = 11 + 10 * 5$. What is the value of c ?

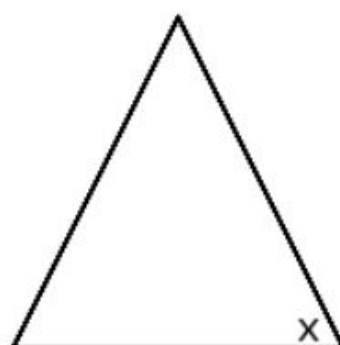
37. What is the median on the following numbers 1,3, 5, 17,20, 25, 30

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 19 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 80 degrees. What is the values if the smallest angle in the triangle.





41. A child cycles to school. It takes 56 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. What is 5927814 mm to the nearest km ?

43. A bird flies 19.37 km, another 86 km and a third 1631 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 14.75 packets?

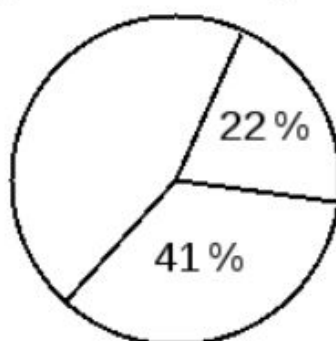
45. What is the mean of 303 , 380 and 411 rounded to two decimal points?

46. $(7a + 4b) + c = d$. If $a = 6$, $b = 5$ and $c = 3$ what is d

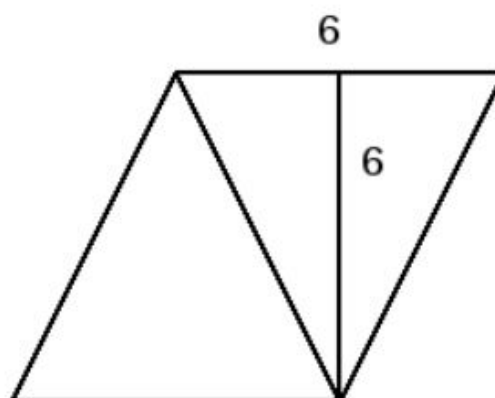
47. There are 132 clubs in an area. $\frac{8}{11}$ have red in their shirts. How many clubs do not have red in their shirts ?

48. There are 11 boxes. 6 have 13 buns, 3 have 12 and 2 have 17 . 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. 1332 | 6. 2.95 |
| 2. 31 | 7. 7 |
| 3. 95.0 | 8. 18 |
| 4. -9 | 9. 36 |
| 5. 5.23 | 10. 32 |

Answers (11-20)

- | | |
|-------------|------------|
| 11. 99 | 16. 183.75 |
| 12. 19.95 | 17. 6 |
| 13. 76900.0 | 18. 6875 |
| 14. 0.441 | 19. 277.0 |
| 15. 405 | 20. 38.0 |

Answers (21-30)

- | | |
|---|------------|
| 21. 51.03 | 26. 2.92 |
| 22. 11 | 27. 30.0 |
| 23. 376.835 (Trailing zeros can be omitted) | 28. 263264 |
| 24. 7000 | 29. -38 |
| 25. 655731 | 30. 224.0 |

Answers (31-40)

- | | |
|------------|----------|
| 31. 14.0 | 36. 61 |
| 32. 75 | 37. 17 |
| 33. 76.005 | 38. 15.0 |
| 34. 22.4 | 39. 9.5 |
| 35. 764 | 40. 20 |

Answers (41-50)

- | | |
|-------------|---------|
| 41. 560 | 46. 65 |
| 42. 6.0 | 47. 36 |
| 43. 107.001 | 48. 148 |
| 44. 8850.0 | 49. 111 |
| 45. 364.67 | 50. 36 |

