



Afanwood 11+
Test 7



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 6 for a fish and £ 10 for chips. There are 66 workers. How much will the cost be?

2. What is the third number in the sequence $2n + 3$ where n is initially 5 ?

3. Biscuits come in packs of 8. How many packs are required to purchase 416 biscuits?

4. The temperature in the day is 12 degrees celcius. By midnight the temperature drops by 25 degrees celcius. What is the temperature at midnight in celcius ?

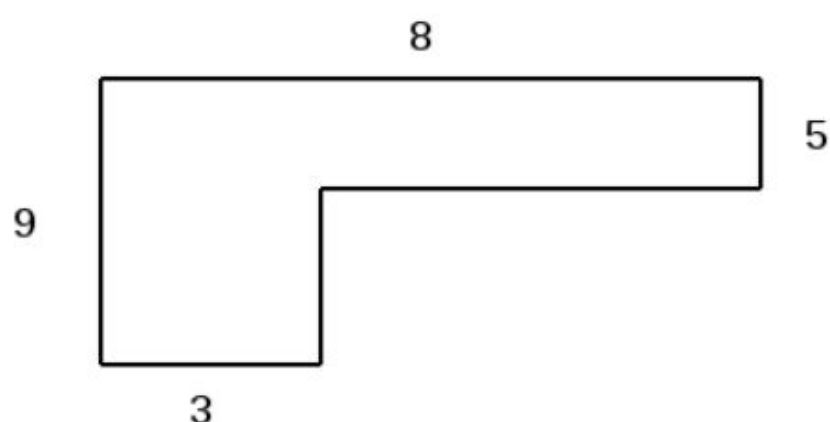
5. A bottle is $3 \frac{1}{5}$ pints. What is this in litres?

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

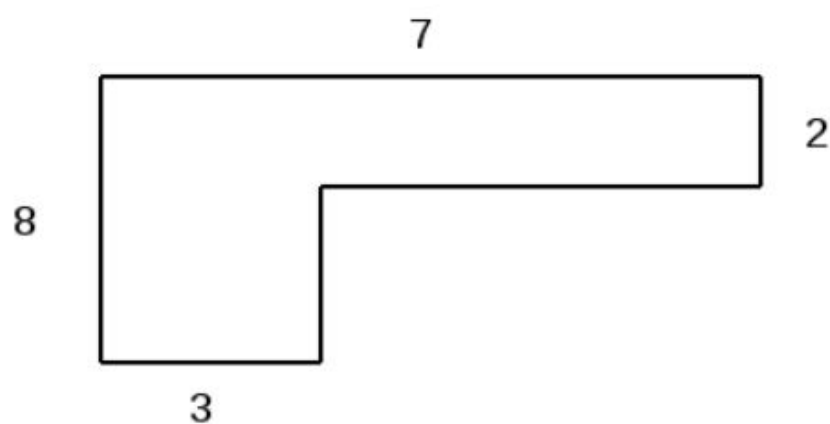
7. A map is drawn to a scale 1 cm = 8 m. How long would a 48 m path be on this map in cm ?

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 £ 207 in the ratio of 13 : 8 : 2. What is the largest amount received?

12. Calculate 48% of 57 ?

13. What is 1.59×10000 ?

14. What is $879 / 1000$?

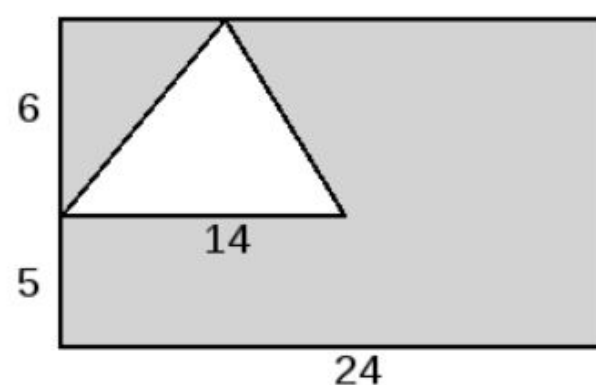
15. $5(8a + 4b + c) = d$. If $a = 8$, $b = 2$ and $c = 1$ what is d

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

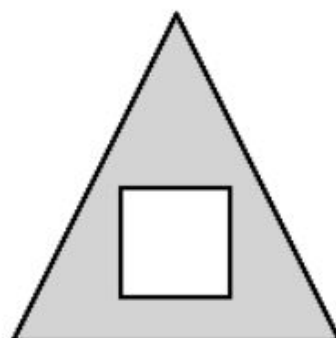
17. A number is squared and then has 16 added to it. The answer is 65 what is it?

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 8 . The side of the square is 3 .





21. The price of a dress has been reduced by 27 %. If the original price was £ 98 what is it now.

22. What is the square root of 81 ?

23. What is the number 500.2087046 rounded to three decimal places

24. What does the digit 6 in 926291 represent?

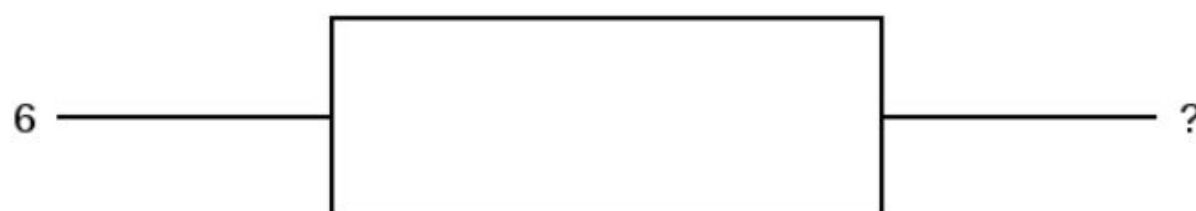
25. Divide 1928432 by 8

26. A post is 8 feet and 8 inches. What is this in metres.

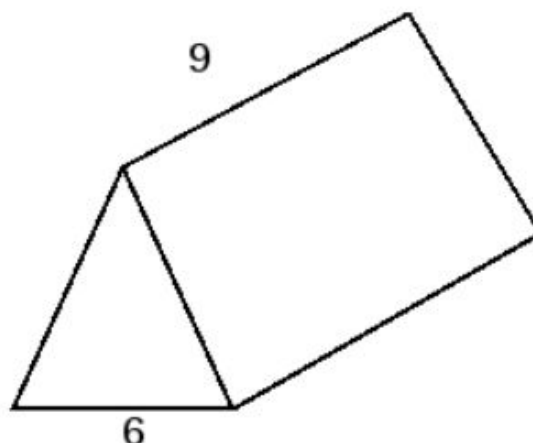
27. A rectangle has a perimeter of 22 cm. Two of the sides are 8 cm. What is the area in cm sq.

28. Multiply 587 by 338

29. The function machine multiplies by 5 and then subtracts 68 . What number is produced ?



30. The height of the prism is 6 cm. What is the volume of the prism in cm cubed





31. A round window has a diameter of 22 cm. What is its radius?

32. How many fifths are there in 12?

33. Three cars travel a straight road. The red car travels 77.77 km and the blue car 106.05 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 69 % of it. How many £ and pence remain ?

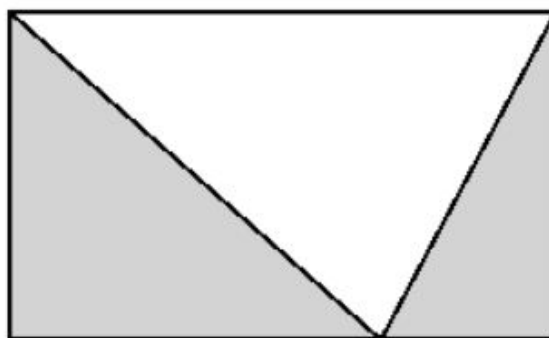
35. $8a \times 4b - c = d$. If $a = 5$, $b = 7$ and $c = 5$ what is d ?

36. $c = 9 + 11 * 3$. What is the value of c ?

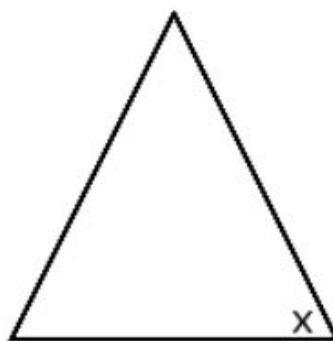
37. What is the median on the following numbers 1,3, 5, 15,20, 25, 30

38. A triangle has three 60 degree angles and a perimeter of 36 . What is the length of one side?

39. The area of the rectangle is 21 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 64 degrees. What is the values if the smallest angle in the triangle.





41. A child cycles to school. It takes 53 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. What is 5879364 mm to the nearest km ?

43. A bird flies 13.37 km, another 89 km and a third 1476 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?

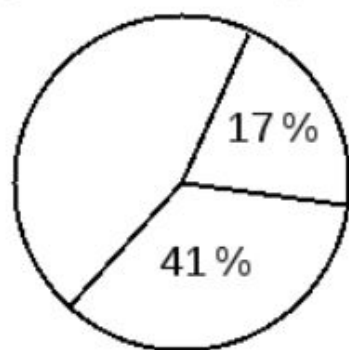
45. What is the mean of 312 , 273 and 634 rounded to two decimal points?

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

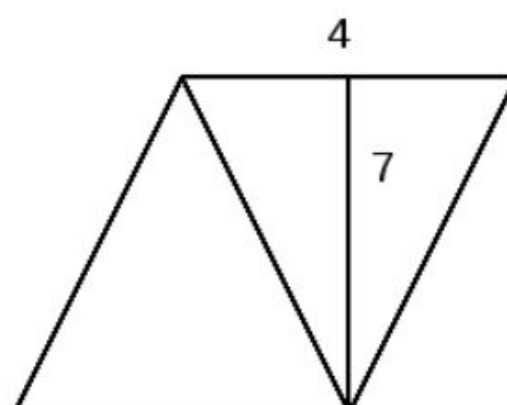
47. There are 231 clubs in an area. $\frac{9}{11}$ have red in their shirts. How many clubs do not have red in their shirts ?

48. There are 11 boxes. 6 have 15 buns, 3 have 15 and 2 have 15 . 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. 1056 | 6. 3.41 |
| 2. 23 | 7. 6 |
| 3. 52.0 | 8. 20 |
| 4. -13 | 9. 34 |
| 5. 1.82 | 10. 32 |

Answers (11-20)

- | | |
|-------------|-----------|
| 11. 117 | 16. 135.0 |
| 12. 27.36 | 17. 7 |
| 13. 15900.0 | 18. 6875 |
| 14. 0.879 | 19. 222.0 |
| 15. 365 | 20. 19.0 |

Answers (21-30)

- | | |
|---|------------|
| 21. 71.54 | 26. 2.64 |
| 22. 9 | 27. 24.0 |
| 23. 500.209 (Trailing zeros can be omitted) | 28. 198406 |
| 24. 6000 | 29. -38 |
| 25. 241054 | 30. 162.0 |

Answers (31-40)

- | | |
|-----------|----------|
| 31. 11.0 | 36. 42 |
| 32. 60 | 37. 15 |
| 33. 91.91 | 38. 12.0 |
| 34. 13.95 | 39. 10.5 |
| 35. 1115 | 40. 52 |

Answers (41-50)

- | | |
|-------------|---------|
| 41. 530 | 46. 98 |
| 42. 6.0 | 47. 42 |
| 43. 103.846 | 48. 165 |
| 44. 11850.0 | 49. 126 |
| 45. 406.33 | 50. 28 |

