



Afanwood 11+
Test 3



1. John is purchasing fish and chip suppers for the workers. Each person pays £ 9 for a fish and £ 8 for chips. There are 70 workers. How much will the cost be?

2. John is purchasing fish and chip suppers for the workers. Each person pays £ 8 for a fish and £ 10 for chips. There are 60 workers. How much will the cost be?

3. Biscuits come in packs of 8. How many packs are required to purchase 672 biscuits?

4. Golf balls come in packs of 6. How many golf balls are required to purchase 378 golf balls?

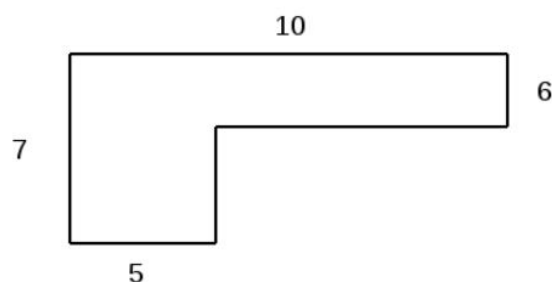
5. A bottle is $9 \frac{1}{5}$ pints. What is this in litres?

6. A sack of potatoes weighs 4 pounds and 8 ounces. What is this in kilograms?

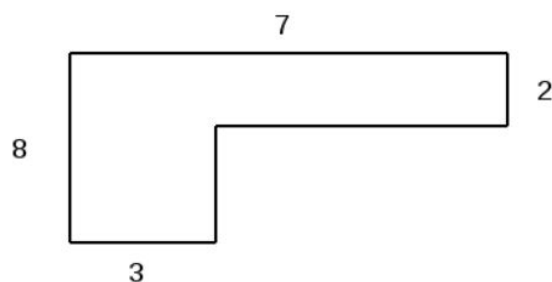
7. A map is drawn on a scale 1:100000. How many cm are equal to 6 km

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. Calculate 82% of 58 ?

12. Calculate 82% of 81 ?

13. What is $3.72 * 10000$?

14. What is $769 / 1000$?

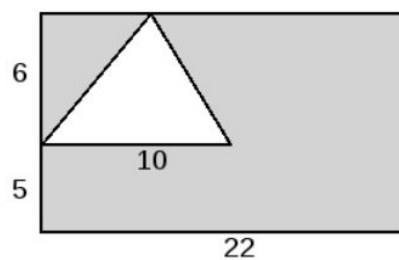
15. $(8a + 4b) - c = d$. If $a = 8$, $b = 3$ and $c = 9$ what is d

16. $(4a + 8b) - c = d$. If $a = 4$, $b = 3$ and $c = 1$ what is d

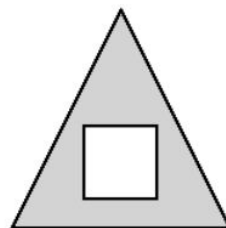
17. A number is squared and then has 11 added to it. The answer is 75 what is it?

18. A number is squared and then has 15 subtracted from it. The answer is 106 what is it?

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 8 . The side of the square is 3 .





21. The price of a dress has been reduced by 28 %. If the original price was £ 84 what is it now.

22. The price of a printer has been reduced by 23 %. If the original price was £ 94 what is it now.

23. What does the digit 3 in 896388 represent?

24. What does the digit 6 in 936294 represent?

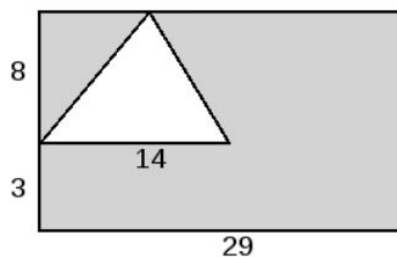
25. A post is 3 feet and 5 inches. What is this in metres.

26. A post is 8 feet and 4 inches. What is this in metres.

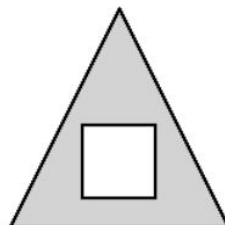
27. A rectangle has a perimeter of 26 cm. Two of the sides are 8 cm. What is the area in cm sq.

28. A rectangle has a perimeter of 32 cm. Two of the sides are 7 cm. What is the area in cm sq.

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



30. What is the grey area of the shape below in cm squared
The base of the triangle is 8 and the height is 8 . The side of the square is 2 .





31. How many quarters are there in 21 ?

32. How many fifths are there in 14?

33. Simon wins £ 81 and spends 79% of it. How many £ and pence remain ?

34. Joanne wins £ 47 and spends 88 % of it. How many £ and pence remain ?

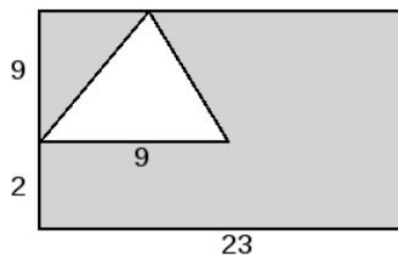
35. $8a \times 4b - c = d$. If $a = 3$, $b = 7$ and $c = 3$ what is d ?

36. $4a \times 8b + c = d$. If $a = 6$, $b = 4$ and $c = 8$ what is d ?

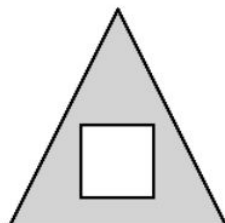
37. A regular octagon has a perimeter of 64 . What is the length of one side?

38. A triangle has three 60 degree angles and a perimeter of 51 . What is the length of one side?

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



40. What is the grey area of the shape below in cm squared
The base of the triangle is 6 and the height is 10. The side of the square is 2 .





41. A child cycles to school. It takes 45 minutes to get there. What is the total weekly cycling time if they cycle both ways five times a week?

42. A worker drives 35 miles to get to work 5 days a week. How far do they drive in a fortnight?

43. There are 500 ball bearings in a packet. How many ball bearings are there in 15.5 packets?

44. There are 600 ball bearings in a packet. How many ball bearings are there in 18.75 packets?

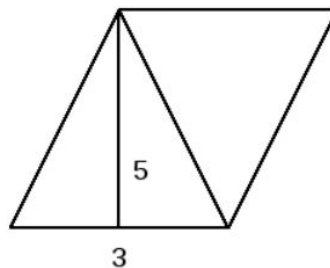
45. $(5a + 3b) + c = d$. If $a = 6$, $b = 8$ and $c = 7$ what is d

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

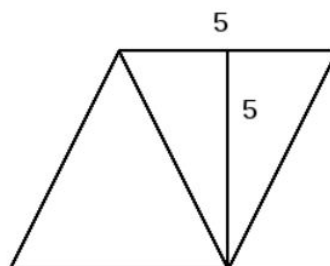
47. There are 13 boxes. 6 have 17 buns, 4 have 17 and 3 have 12. How many buns are there?

48. There are 11 boxes. 6 have 11 buns, 3 have 17 and 2 have 15. How many buns are there?

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



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



Answers (1 - 10)

1. 1190	6. 2.05
2. 1080	7. 6
3. 84.0	8. 20
4. 63.0	9. 65
5. 5.23	10. 32

Answers (11-20)

11. 47.56	16. 39
12. 66.42	17. 8
13. 37200.0	18. 11
14. 769	19. 212.0
15. 67	20. 23.0

Answers (21-30)

21. 60.48	26. 2.54
22. 72.38	27. 40.0
23. 300	28. 63.0
24. 6000	29. 263.0
25. 1.04	30. 28.0

Answers (31-40)

31. 84	36. 776
32. 70	37. 8.0
33. 17.01	38. 17.0
34. 5.64	39. 212.5
35. 669	40. 26.0

Answers (41-50)

41. 450	46. 85
42. 700	47. 206
43. 7750.0	48. 147
44. 11250.0	49. 15
45. 61	50. 25

