Test 64
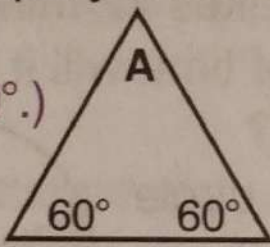
1. What is the next term: 1·825, 18·25, 182·5, ____?
2. Emma buys a skirt for €11.99 and a T-shirt for €7.49. How much does she pay altogether?
3. Sixteen children in a school are left-handed. If 92% are not, how many children attend the school?
4. An aeroplane flies 100km in 5 minutes. How far should it travel in one hour, at the same speed?
5. The average age of 3 girls is 16. One girl is 18 and another is 13. What age is the third girl?
6. A distance of 1 kilometre is represented on a map by a line 5cm in length. The scale is 1cm to ☐m.
7. (Note: The sum of the angles in a triangle is 180°.) What is the measure of angle **A** in this equilateral triangle?

A

60°   60°

8. Value Added Tax at a rate of 20% is added to the price of a washing machine which costs €250 before tax. What will be its price after VAT has been added?
9. 1 p.m. on a 24 hour clock is 13:00hrs. What is 8 p.m.?
10. How much to carpet a room 3·25m by 4m at €8 per m²?

Answer

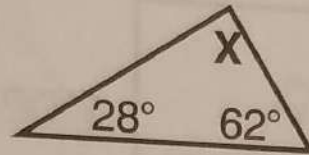1.
2.
3.
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8.
9.
10.

Score

Test 65

1. What is angle **X** in this triangle? (Remember: the sum of the angles in a triangle is 180°.)

2. How much do 100 units of electricity cost at 7·5 cent per unit?
3. Write 3.15 p.m. as it would be on a 24-hour clock.
4. What percentage fraction of the total marks did William get if he got 150 out of 200?
5. What number is half way between −4 and +6?
6. Which is the prime number in this set: (26, 27, 28, 29, 30)?
7. If the middle house in a terrace is number 13, what number is the last house?
8. What is the cost of a €300 dishwasher when 20% VAT is added to the price?
9. What is the next term: 1, 4, 9, 16, 25, ___?
10. The average age of three youths is 17. One youth is 19 while another is 13. What age is the third youth?
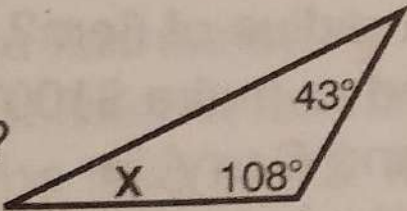
Answer

1.

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Score

Test 66

Answer

1. An 800g loaf is cut into 25 equal slices. How many grams does 1 slice weigh?

1. _____

2. How many thousand euro in € $\frac{1}{4}$ million?

2. _____

3. 23:08 | Write this 24 hour clock time using a.m. or p.m. time.

3. _____

4. Express 12 minutes as a fraction of 1 hour, in its lowest terms.

4. _____

5. A music store pays €14 for a CD. At what price must the CD be sold so the shopkeeper can make a profit of 25%?

5. _____

6. The average age of four women is 25. If the average age of three of them is 24, what is the age of the other woman?

6. _____

7. What is the smallest number which can be divided evenly by 500, 600 or 1,000?

7. _____

8. What is the size of angle **X** in this triangle?

43°

X 108°

8. _____

9. A prize is shared in the ratio 3:5. If the smaller share is €60, what is the larger share?

9. _____

10. A map scale is 1cm to 30km. What is the real distance between two towns which are 1·5cm apart on the map?
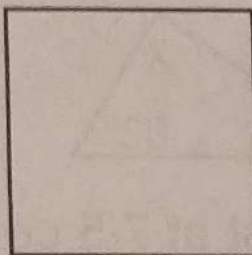
10. _____

Score _____

Test 67

1. Dot in the axes of symmetry in this square.

2. What is the next term:
   0·005, 0·05, 0·5, ___ ?

3. Joan's salary is €10,000 per annum. She is to have a 5% increase. What will her new salary be?

4. The middle person in a row is the 16th. How many people are in the row?

5. If a map has a scale of 1cm to 30km, what distance would 1mm represent?

6. If you change an American dollar into euro, you will get €1.14. How many euro will you get with $10?

7. If a = 4, b = 7 and c = 5, what is the value of $\frac{b + c}{a}$?

8. If it takes a spacecraft 3 days to travel 250,000 kilometres, what length of time will it take to travel one million kilometres?

9. A prize is shared in the ratio 2:1. If the larger share is €30, what is the smaller share?

10. A publican makes 75 cent on every bottle of beer she sells. How much profit will she make on 100 bottles?

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Score

Test 68

1. What is the next term: 1, 2, 4, 7, ___?
2. Express 0·125 as a fraction in its lowest terms.
3. 1·2kg of sweets is divided equally into 10 packets. What is the weight of each packet?
4. A man left €1,000 in his will to his children. His son received 40% of it and his daughter the rest. How much did she get?
5. Tom's greyhound ran a lap in 30·00 seconds. Pat's ran the same lap in 29·05 seconds. How much faster was Pat's greyhound?
6. The circumference of a circle is 2 × radius × 3·14. What is the circumference of a circle which has a radius of 5cm?
7. If $1 = €1.14, how many euro are needed to make $100?
8. A shopkeeper buys copies in the 'Cash and Carry' in bundles of 20. If a bundle costs her €3, at what price must she sell each copy to make a profit of 5 cent per copy?
9. If $4^3 = 4 \times 4 \times 4$, what is the value of 4^3?
10. Floor covering is €2.50 a square metre. What will it cost to cover a floor which measures 5m by 4m?

Answer

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Score