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| Y6/1 Darren ordered a large chicken pizza. The pizza was sliced in 12 equal pieces from the centre. What would be the measure of the central angle of each slice of pizza? |
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| Y6/2 The distance around the wheel of a truck is 2.87 meters. If the truck covered a distance of 382 km, calculate the number of times the wheels of the truck turned to reach its destination? Express your answer to the nearest whole number |
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| Y6/3 Find the missing numbers in the sequence:  Y  X  64 32 16 4 1 |
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| Y6/4 Mario has 99 lives remaining and 9 levels to complete in his mobile game. He loses 2 lives on the first level. He loses 2 lives more than on the previous level on each level he completes. How many lives will he have left after completing the 9 levels? |
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| Y6/5 The circumference of a circle is 250cm. A 450 sector is drawn inside this circle. What length of the circumference will this 450 sector use? |
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| Y6/6 Find the area of the unshaded region below. |
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| Y6/7 The product of two square numbers is 1225. If the difference between the two square numbers is 24, what is the largest square number? |
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| Y6/8 The sum of two numbers is 104 and their difference is 32. What is the value of the larger number? |
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| Y6/9 Jenny pays her credit card off differently. She owes $4 750. Her rule is to pay $50 in May, then, double the payment each month. In which month would she make her last payment and what will be the payment amount to settle her credit? |
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| Y6/10 At the FBC Christmas party Day, 65 people ate 40 hot dogs and 35 sausages. Everyone ate at least one hot dog or sausage. Ten people ate one of each. How many people ate only sausage? |
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| Y6/11 In a school 50% of the students are younger than 10, 1/20 are 10 years old and 1/10 are older than 10 but younger than 12, the remaining 84 students are 12 years or older. How many students are 10 years old? |
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| Y6/12 If the following numbers were making teams, they’d line up in these ways:  **Prime numbers, Triangular numbers, Multiples of 7.**  Which numbers given below can be put in the Prime numbers team?  **2, 3, 10, 11, 14, 15, 19, 28, 35** |
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| Y6/13 Grandpa Tuki gave one-half of his money to his children. He then gave one-quarter of what was left to his grandchildren. Half of the rest went to a charity.  How much money was given to the charity, if grandpa had a total of $ 250 000? |
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| Y6/14 In the village of wonderland, most children spend one-third of the day sleeping, one-quarter of the day at school and just one-twelfth eating. How much time in hours is left for other activities? |
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| Y6/15 Every 4 days, Pio Tuwai needs to improve the distance he runs in 55 sec by 0.5 metres more than he improved in the previous 4 days. On Mar 3rd he can run 400 m and on Mar 7th, he can run 400.5 m. How far will he run in 55 seconds at the end of March? |
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| Y6/16 Given is a set of 7 numbers.  The mean of the numbers in the set is 28.What would be the resultant mean if one of the 12’s is replaced by 54. |
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| Y6/17 A jigsaw puzzle board is 200 mm x 70 mm in dimension. If the area of each piece of the jigsaw pieces is approximately 4 cm2, how many jigsaw pieces is needed to complete the puzzle? |
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| Y6/18 Rachna had one pair of guinea pigs. They had four baby guinea pigs, all female. Within the following six months, each female guinea pig had produced five baby guinea pigs. If no guinea pigs died and out of every 5 guinea pigs born, two were males. What percent of the guinea pigs population that Rachna had after six months were males? |
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| Y6/19 A man bought 12 bags of rice at $50 per bag. Find his profit if he paid $15 for transport and sold ¾ of the rice for $650 and the rest at $70 per bag |
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| Y6/20 A parking garage charges a $3 entry fee and $1.25 for each hour of parking. If Mr. Singh was charged $17.38 for parking, find the number of hours his car was parked there? |
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