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| Y9/1 4 – 2 x 3 + 10 ÷ 2 |
| Y9/2 In a pie eating contest a man ate a total of 100 pies in 5 hours. Each hour he ate six less pies than the previous hour. How many pies did he eat in the first hour? |
| Y9/3 Akapusi, Bill and Campese are three Rugby players. They are weighed two at a time. Here are the results:  Akapusi + Bill = 170 kg  Bill + Campese= 200 kg  Campese + Akapusi = 190kg  How much will all three weigh together? |
| Y9/4 What is the area of the shaded region? |

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| Y9/5 You go out for a nice meal and the total comes to $75. You want to leave a 20% tip. How much money will you spend total on the meal? |
| Y9/6 If what is the value of (x+3)? |
| Y9/7 A frog is on the bottom of a 40 meter well. Each day, he has enough energy to crawl up 10 meters. Each night, he slips 5 meters downward. How many days will it take for the frog to crawl out of the well? |
| Y9/8 Bole aunty bought 10 bundles of dalo for $12 a bundle. There were 6 pieces in each bundle; She then put them into heaps of three pieces in each.  She sold them for $8 a bundle, what is her percentage profit? |

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| Y9/9 A rectangular garden has a perimeter of 28 m and area of 45 square meters. What is the length of the rectangle? |
| Y9/10 Let . What is |
| Y9/11 A letter is randomly chosen from the two words MATHEMATICS QUESTIONS. What is the probability that this letter does not have a vertical axis of symmetry? (Give your answer in the smallest fraction) |
| Y9/12 The number 75 is divided into three parts with proportionality 3:5:7. The smallest part is: |

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| Y9/13 Factorise 5x +15y – px – 3py completely |
| Y9/14 If **a = 3, b =**  , **c =**  then the value of = |
| Y9/15 Simplify  16 x 5y ÷ 20 |
| Y9/16 Find the circumference of a circle with radius 14 cm. (Use π = 3.14 and give the answer to 2 decimal place) |

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| Y9/17 A rectangular land has a length of 20 m and a width of 12 m. A mango tree is to be planted at every 4 m except in the corners. How many mango trees are planted? |
| Y9/18 A kite is flown on a cord 120 m long. The cord, held taut with its end at a height of 1.5 m above the ground makes an angle of with the horizontal. How high above the ground is the kite? |
| Y9/19 What is the next term in the pattern: 2, 5, 10, \_\_\_\_\_ |
| Y9/20 A room has a perimeter of 20 m. If the width were tripled and the length doubled, the new perimeter would be 48 m. Calculate the area of the room. |