

Question 1

Vijay goes to the botanical gardens to see some flowers. There are 3 types of flowers- Tulips, Veronicas and Sneezeworts. The flowers colours are white, red and purple, but not necessarily in that order. We know that Sneezeworts are not red or purple, and Veronicas are not red. What colour are the Veronicas?

Question 2

2 of the 3 boys in the McBain family attending Birkenhead Primary School are twins. If the product of the 3 boy's age is 200 and the twins are younger than the older sibling, how old is one of the twins?

Question 3

Sophie has a box of sweets. She gives $\frac{1}{2}$ of her sweets to a local charity, and then the charity gives $\frac{1}{2}$ of the sweets they received to soldiers overseas. Of the sweets sent overseas, $\frac{1}{4}$ of them are sent to Lieutenant Victor. Lieutenant Victor receives 10 sweets. How many sweets did Sophie have at the start?

Question 4

3 people dig 3 trenches in 3 days.
How long does it take 10 people to dig 10 trenches?

Question 5

Here is the timetable for trains from Kingztown to Pekatútu

Station	Time				
Kingztown	0700	Hague	0710	Matamatamata	0735
Mãĩdõrũĩãntĩm	0740	Allahurio	0805	Ackbarian	0807
Canberra	0845	Nyantc	0900	Pekatútu	0930

Daly lives in Hague, and needs to get to Canberra for a Viola Performance. How long will his journey be?

Question 6

Zaza has 2 numbers. The sum of the numbers is 32. The product of the numbers is 231. What are her 2 numbers?

Question 7

The pattern is # \$ % ^ & # # \$ % ^ & # # \$ % ^ & # # \$ % ^ & #...

What is the 213th Symbol in this Pattern?

Question 8

Jack is building a playhouse out of concrete and wood. For the base he needs 500kg of concrete. He needs 10 planks of wood for each of the 4 walls, and a further 20 for the roof. If each plank weighs 5kg, how heavy will his playhouse be?

Question 9

The numbers 796 and 679 are 3 digit numbers where the digits add to 22. What is the highest 3 digit number where the digits add to 22?

Question 10

Uncle Tim's supermarket displays their cans of canned tomatoes in a triangle. The top four rows contain 1, 2, 3, 4 cans from the top down.

How many cans would be on the 71st row?

Question 11

Richard has a sack of bouncy balls. In his sack he has 2 green balls, 5 white balls and 3 orange balls. If he randomly pulls out 2 balls, what is the chance, in a fraction, that he will pull out 2 white balls?

Question 12

A square is surrounded by a circle, which in turn is surrounded by a bigger square. How many times larger is the area of the bigger square than the smaller square?

Question 13

Hansel, Gretel and Rapunzel went to the shop. Hansel buys 1 pack of lollies and 4L of ice cream, costing \$6.50. Gretel buys 5 packets of lollies, costing \$12.50. Rapunzel buys 3 packets of lollies and 3L ice cream. How much did they spend overall?

Question 14

Joe boards a plane in Dupqix at 0800 hours. At the time that he boards, it is 0000 hours in his destination, Alababa. He arrives at his destination at 0956 hours, Alababa time. What was the duration of his flight?

Question 15

What is the date 345 days from the 17th of May (assuming no leap years)?

Question 16

Jakob wants to make some bread. He needs 2L of Water, 10g of Yeast and 400g Flour. Assuming that 1 litre of water is one kilogram, how heavy are his ingredients in kg?

Question 17

Old McDonald had a farm. On his farm he had some cows. $\frac{1}{2}$ of his cows are black and white, $\frac{1}{5}$ of his cows are brown, $\frac{1}{4}$ of his cows are pink and the final 17 of his cows are black. How many cows does he have?

Question 18

Emerald is preparing dessert for her daughter Sansa's party. There will be 25 friends coming to the party. If she orders 14 cakes, how much will each child get as a simplified fraction?

Question 19

Xavier collects spoons. He has 216 spoons. He decides to give his son, Justin, $\frac{1}{2}$ of the spoons. Justin then gives his friend Destry $\frac{1}{4}$ of the spoons he was given. Destry then gives $\frac{2}{3}$ of his spoons to his Mum, Jeniveve. How many spoons does Destry end up with?

Question 20

Adeline is publishing a book. She can type 1 page in 7 minutes. Raj is also publishing a book. He can type 3 pages in 18 minutes, with a 2 minute break after every 3 pages. Adeline is publishing a 525 page book. Raj is publishing a 520 page book. How long in minutes will it take the first person to finish?

Question 21

Shaun the Sheep is about to be shorn. Currently he weighs 28kg. His wool accounts for 20% of his weight. How much will he weigh post-shearing in kg?

Question 22

The number of faces plus the number of edges of a tetrahedron is equal to?

Question 23

What is the sum of all the prime numbers less than 20?

Question 24

Billy is making a necklace. He uses 12 small beads, 7 large beads and three spacers. The small beads have a radius of 3mm, the large beads are 10mm long and a spacer is 3cm long. How long will the necklace be in cm?

Question 25

Bo, Co, Flo, Jo and Mo have different amounts of money.
Neither Jo nor Bo has as much money as Flo.
Both Bo and Co have more than Mo.
Jo has more than Mo, but less than Bo.
Who has the least amount of money?

Question 26

Four wheels are connected by a belt.
The radius of each wheel is given.
If wheel B turns 20 revolutions per minute, how many revolutions does wheel D do in 1 minute?

