

Question 1

What number goes in the spare box?

0	1	2	3	4	12
-7	-1	5	11	17	

- A. 23 B. 59 C. 65 D. 166 E. 88

Question 2

Louis, Joe, Gregorosa and Henri went to the store to purchase plastic bags. Louis buys 5, Joe buys 7, Gregorosa buys 12 and Henri buys 8. What is the average number of plastic bags they bought?

- A. 12 B. 8 C. 9 D. 18 E. 10

Question 3

During a snowstorm 75% of the students at Northland School were present, if 420 students attend the school, how many students were at the school that day?

- A. 315 B. 345 C. 445 D. 495 E. 560

Question 4

Sam has a bag of marbles. He gave $\frac{1}{5}$ of his marbles to one friend and $\frac{4}{10}$ to another friend he is left with 4 marbles. How many marbles did Sam start with?

- A. 15 B. 20 C. 21 D. 25 E. 10

Question 5

Jessica, Kevin, Trisha, Will, Malcolm and Patsy are measuring themselves to try find out the average of all of their heights. Here are their results.

193cm, 143cm, 171cm, 112cm, 168cm, 156cm

What is the average of all of their heights (rounded to 1 decimal point)?

- A. 149.2 B. 157.2 C. 176.8 D. 183.9 E. 172.3

Question 6

John spent up to 2 hours a day playing games, but on Sundays he plays up to 4 hours. What is the maximum amount of hours he could have played in July?

- A. 72 B. 74 C. 70 D. 68 E. 73

Question 7

Hemi went to town with Billy for 3 hours one day and the next day they went to town for 9 hours. Show this as a simplified ratio.

- A. 1:3 B. 3:9 C. 3:6 D. 1:6 E. 1:2

Question 8

The product of 3 prime numbers is 2639. What are the 3 prime numbers?

- A. 8, 15, 23 B. 7, 13, 29 C. 7, 17, 19 D. 7, 11, 31 E. 8, 13, 29

Question 9

Lachie and Ben leave home at 5:15pm, two hours later they leave the restaurant and go for a 15 minute walk. They then return to the car and go to the cinema. 1 and a half hours later Lachie gets home. When did he get home?

- A. 8.30pm B. 9.00pm C. 9.15pm D. 9.30am E. 8.15am

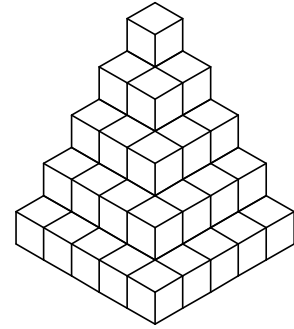
Question 10

Ashley saw a dress at Glassons for \$360. She came back a week later, the dress was now discounted to 25% off. What was the price of the dress after it had been discounted?

- A. \$90 B. \$300 C. \$115 D. \$170 E. \$270

Question 11

How many blocks are in this tower?



- A. 55 B. 25 C. 45 D. 69 E. 29

Question 12

A boat can carry a weight of 240kg. Marley wants to take his family fishing. Marley weighs 70kg, Tayla weighs 55kg, Max weighs 65kg and Honey weighs 40kg. How much spare space does he have for fishing supplies?

- A. 100kg B. 30kg C. 10kg D. 200kg E. 40kg

Question 13

In a family of 5 children, Sam is 12, Jenny is 13, Sally is 11, Paul is 6 and the average of their ages is 10, how old is the 5th child?

- A. 13 B. 7 C. 11 D. 14 E. 8

Question 14

Rosa is trying to improve her running time for the upcoming school cross country. At the moment, her time for running 5km is 30.45 mins. If she practices 3 times a week for 7 weeks, and each time she improves her time by 7 seconds, what will her time be at the end of the 7 weeks?

- A. 28 min, 18 sec B. 24 min, 18 sec C. 29 min, 42 sec D. 28 min, 23 sec
E. 27 min, 23 sec

Question 15

Joe and Edward are having a limbo competition to see how low they can go. They do three rounds to see how low they can go. These are the scores:

Joe: 92 cm, 78 cm, 74 cm. Edward: 89 cm, 86 cm, 79 cm.

What was the average of both their scores combined?

- A. 81 B. 78 C. 83 D. 92 E. 93

Question 16

Nick bikes at 0.75 kilometers per 2 minutes, how far would he bike in 2 hours?

- A. 45km B. 22.5km C. 40km D. 43km E. 47.5km

Question 17

If Xavier walks 22.5 kilometres in 5 hours. How many kilometres per hour is he walking?

- A. 5 kph B. 4.5 kph C. 3.5 kph D. 3 kph E. 5.5 kph

Question 18

Tane earns \$237 from his job at Countdown every week. If he spends \$13.50 a week on electricity, \$50.10 on food, and \$17.80 on clothes. His mum also gives him an extra \$13 a week. At the end of the week, how much money will he have left over?

- A. \$168.20 B. \$155.60 C. \$168.80 D. \$173.20 E. \$168.60

Question 19

At Callum's birthday he has a cake cut into 24 pieces.
If Callum takes $\frac{1}{8}$ of the cake, Lucy takes $\frac{1}{6}$, and Amy takes $\frac{1}{4}$.
How many slices were left over?

- A. 17 B. 18 C. 21 D. 14 E. 11

Question 20

A 10 m ribbon was cut into 85 cm lengths.
The length of the remaining piece is.

- A. 15 cm B. 55 cm C. 65 cm D. 75 cm E. 35 cm

Question 21

Find the median of this set of data.

2, 3, 1, 3, 9, 12, 3, 8, 9, 12, 13, 11, 6, 4, 12, 96, 1.

- A. 12 B. 8 C. 4 D. 7 E. 11

Question 22

If you add 2 years to Jemima's age, times it by 60, divide it by 8 and square the number, you have 900. How old is Jemima now?

- A. 4 B. 6 C. 1 D. 2 E. 7

Question 23

What is the correct order for these fractions, decimals and percentages, in order from smallest to biggest? 0.14, 15%, 0.16, $\frac{1}{8}$

- A. 15%, $\frac{1}{8}$, 0.14, 0.16 B. $\frac{1}{8}$, 0.14, 15%, 0.16 C. $\frac{1}{8}$, 15%, 0.14, 0.16
D. 0.16, 15%, $\frac{1}{8}$, 0.14 E. $\frac{1}{8}$, 15%, 0.14, 0.16

Question 24

Which is the odd one out of these numbers?

- A. 25 B. 64 C. 16 D. 81 E. 46

Question 25

Sophie is taller than Alison. Sefina is taller than Hull. Sefina is shorter than Cam and Alison is taller than Cam. Who is the second tallest?

- A. Sophie B. Alison C. Sefina D. Cam E. Hull

Question 26

What is the sum of all numbers from 1-20?

- A. 210 B. 190 C. 211 D. 220 E. 185

Question 27

10 children went to a party, 9 of their ages are 10, 9, 7, 8, 9, 12, 11, 7 and 8. If the average of their ages is 9. How old is the 10th child?

- A. 7 B. 9 C. 8 D. 72 E. 90

Question 28

Max started with \$74. He gave \$10 to James. James gave \$21 to Janice. James started with \$78. How much money did James have at the end?

- A. \$68 B. \$71 C. \$59 D. \$50 E. \$67

Question 29

There are five people at a holiday camp. The average of their ages is 9. Four of the ages are 5,8,11,9. What is the age of the fifth person?

- A. 33 B. 8 C. 12 D. 11 E. 45

Question 30

Henry ate $\frac{4}{16}$ of a pizza and Linda eats $\frac{2}{3}$, show how much pizza would be left as a simplified fraction.

- A. $\frac{1}{12}$ B. $\frac{7}{12}$ C. $\frac{3}{8}$ D. $\frac{11}{12}$ E. $\frac{7}{8}$