

## Year 5 and 6 Multi-choice Questions 2019

Scrap paper and calculators are permitted

Write the letter to the question in the box on the **answer sheet**.

Do not write more than one letter in each box

**Please remember all answers are to be written on the answer sheet**

### Set 1

TIME PERMITTED: 20 MINUTES

#### Question 1

There are 22 wheels at a bike shop spread between bicycles and tricycles. If there is an odd one-digit number of bicycles, then how many tricycles are there?

- a. 4
- b. 5
- c. 6
- d. 7
- e. 8

#### Question 2

If 17 is the median (middle number) of a set of data including 7, 14, 17 and 43 and a missing number, what is the missing number?

- a. 5
- b. 13
- c. 15
- d. 16
- e. 25

#### Question 3

What is the next number in this sequence?      640,160,40,10, \_\_\_\_\_

- a. 1
- b. 2
- c. 2.5
- d. 3
- e. 4

**Question 4**

If  $\frac{3}{4}$  of the classroom are boys and there are 11 girls, how many boys are in the classroom?

- a. 23
- b. 33
- c. 35
- d. 44
- e. 43

**Question 5**

If a kangaroo bounces 16 times a minute. How many times does it bounce in 12 hours?

- a. 11500
- b. 11520
- c. 11515
- d. 11525
- e. 11530

**Question 6**

If Shoosan has 2 three-legged chickens for every cat and 3 cats for every emu. How many legs are there among all the animals if she has 5 emus?

- a. 160
- b. 180
- c. 190
- d. 200
- e. 210

**Question 7**

$6 - 2 \times (9 \times 2) = ?$

- a. 14
- b. -30
- c. 30
- d. -2
- e. -36

**Question 8**

If  $x * y$  means  $x^3 + y$ , then  $4 * 10 =$

- a. 74
- b. 320
- c. 400
- d. 640
- e. 120

**Question 9**

Abdul bought 60 litres of dishwashing liquid. He uses 23% of the liquid in 2 weeks. How many weeks could he go without buying more dishwashing liquid?

- a. 6
- b. 5
- c. 7
- d. 4
- e. 8

**Question 10**

Mihi lays 5 eggs in the sand every week. Every year, 30% of her babies are boys. How many boys are born every year?

- a. 86
- b. 70
- c. 78
- d. 99
- e. 90

**Question 11**

Janana buys 40 bunches of bananas. There are 4 bananas in 1 bunch. If 1 bunch is 7.25kgs, how much do 12 bunches weigh?

- a. 80kg
- b. 85kg
- c. 87kg
- d. 86kg
- e. None of the above

**Question 12**

Sopo's batting average after five innings was 37. What does she need to score in her next innings to increase her average to 40?

- a. 60
- b. 45
- c. 36
- d. 58
- e. 55

**Question 13**

Shakshuka went to the dairy every day and would buy 2 cans of Mountain Dew, 2 cans of Sprite Zero and a packet of Maltesers. The Maltesers cost \$6.10, Mountain Dew costs \$1.50 per can and Sprite Zero costs \$1.90 per can. How much money does he spend in 2 weeks if he doesn't go on the weekend or Tuesday?

- a. \$13.40
- b. \$96.25
- c. \$103.20
- d. \$83.10
- e. \$89.60

**Question 14**

The volume of a cube is 27. What is the perimeter of one side?

- a. 12
- b. 54
- c. 42
- d. 16
- e. 64

**Question 15**

There is a highly anticipated German Corgi race. The 72 competing Corgis have a number on their back, from 1-72. How many corgis have a prime number on their backs?

- a. 20
- b. 19
- c. 16
- d. 18
- e. 23

**Question 16**

$5 + 12 \times 6 \times (7 + 8) =$

- a. 102
- b. 90
- c. 1085
- d. 117
- e. 87

**Question 17**

Cheryl drank an 8-litre bottle of Mountain Dew with no breaks. She could drink 0.25 litres every 5 seconds. How long did it take her to drink it?

- a. 180sec
- b. 175sec
- c. 160sec
- d. 140sec
- e. 135sec

**Question 18**

The length of a house is 2000cm, the width is 21m and the height is 25m. What would the volume be?

- a. 10,500m<sup>3</sup>
- b. 10,550m<sup>3</sup>
- c. 11,000m<sup>3</sup>
- d. 11,200m<sup>3</sup>
- e. 10,200m<sup>3</sup>

**Question 19**

Raquelle owns 16 mirrors. Barbie owns triple the amount Raquelle does, but Ken owns 9 times the amount of mirrors than Barbie does. How many more mirrors does Ken have than Raquelle?

- a. 428
- b. 433
- c. 416
- d. 431
- e. 430

**Question 20**

Nicoláge wanted to divide a number by 6 on his calculator, but he accidentally multiplied it. He ended up with 252, what number should he have got?

- a. 36
- b. 42
- c. 8
- d. 7
- e. 6

**Question 21**

A quad bike requires 3L of fuel to become full. 3L of fuel costs \$45 at the service station. If Jackie, the owner of the quad bike, spent \$315 in a week on fuel, how many times did she fill up her tank?

- a. 4
- b. 10
- c. 7
- d. 6
- e. 9

**Question 22**

A bag has 45 lollies in it. There's 10 chocolate, 15 mint, 4 caramel, 11 lime, and 5 orange. Keeping the same ratio between all flavours, how many mints would there be if you had 60 lollies?

- a. 10
- b. 15
- c. 18
- d. 21
- e. 20

**Question 23**

Every day, Xanthe cycles down an 8km hill. Xanthe can cycle 48km per hour. Eli can cycle down the same hill in 5 minutes. How much longer does it take Xanthe to get down the hill?

- a. 10 minutes
- b. 8 minutes
- c. 6 minutes
- d. 4 minutes
- e. 5 minutes

**Question 24**

For Jerusha's birthday, every person is allowed 250mls of soft drink. Jerusha's mum bought 4L of drink and it's the perfect amount for the party. How many people are going to Jerusha's birthday party?

- a. 8
- b. 16
- c. 24
- d. 32
- e. 64

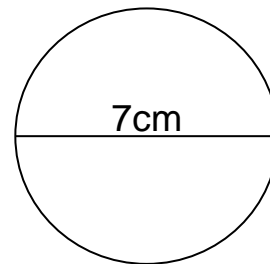
**Question 25**

What is the circumference of this circle?

Circumference =  $2 \times \text{radius} \times \pi$

$\pi = 3.14$

- a. 20.98
- b. 21.89
- c. 20.91
- d. 21.91
- e. 21.98





**Question 26**

3 cubed =  $3 \times 3 \times 3 = 27$ . So, 27 is a cubed number.

Rachel was handing out cross country numbers for Year 3 - 8. There are 300 people in Year 3 - 8, how many cubed numbers did she hand out?

- a. 5
- b. 6
- c. 4
- d. 7
- e. 3

**Question 27**

$\frac{5}{8}$  of the employees at Tiny Tug Boats are women. There are 360 employees. How many men employees are there?

- a. 135
- b. 90
- c. 216
- d. 225
- e. 320

**Question 28**

There are 640 children at Javhill School. Every student, besides Jared and Ravi, wrote 4-page essays. Jared and Ravi only wrote a 1-page essay. How many pieces of paper did they all use?

- a. 2136
- b. 2144
- c. 2554
- d. 2160
- e. 2168

**Question 29**

At Rana's Rugby factory, one worker can make 15 rugby balls a day. Every rugby ball costs 5 dollars to make and sells for 10 dollars in sports stores. If there are 3 workers working for 3 days, how much money will Rana make?

- a. \$435
- b. \$145
- c. \$340
- d. \$270
- e. \$675

**Question 30**

If the sum of the base and height of a triangle is 13 cm and the product is 36cm, what is the area of the triangle?

- a.  $16\text{cm}^2$
- b.  $20\text{cm}^2$
- c.  $12\text{cm}^2$
- d.  $18\text{cm}^2$
- e.  $22\text{cm}^2$