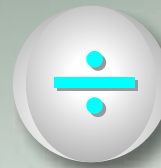
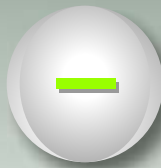


Titan-Genius Kidz National Arithmetic Championship

04 December 2009



Write in CAPITAL letters only

Category : **SUB-JUNIOR**

To be filled in by student

Name of the Student _____

Standard _____ Gender _____ Date of Birth _____

To be filled in by school

School's address with seal

School's Tel No. _____

Supervisor's name: _____

Supervisor's Sign. _____

General Instructions:

- o Duration of the competition is 30 minutes
- o Please use a ball point pen / gel pen / ink pen for writing the answers.
- o All questions DO NOT carry equal marks.
- o There is no negative marking for wrong answers
- o Attempt as many questions as possible within the given time.

For Official use only

Name of the Evaluator: _____ **Score:** _____

Signature of the Evaluator: _____

1. The sum $691 + 208$ is closest to the sum

- a) $600 + 200$ b) $700 + 200$
c) $700 + 300$ d) $900 + 200$

Ans :

2. I am thinking of a number. When I multiply it by 5, the product is 0. When I multiply it by 6 instead of by 5, the product is

- a) 0 b) 1 c) 6 d) 12

Ans :

3. Some animals were loaded on to a boat: four sheep, twenty seven goats and five horses. How old was the captain of the boat?



- a) 36 years b) 29 years
c) cannot tell d) 31 years

Ans :

4. Ork, the stork, delivers two babies everyday. How many babies does Ork deliver in one week?

- a) 2 b) 7 c) 14 d) 21

Ans :



5. What number is 5 less than 2 more than 52?

- a) 47 b) 49
c) 54 d) 57

Ans :

6. My birthday was Monday. Two days before my birthday was

- a) Saturday b) Sunday
c) Wednesday d) Friday

Ans :

7. $15 - 14 + 13 - 12 + 11 - 10 + 9 - 8 + 7 - 6 + 5 - 4 =$

- a) 6 b) 7 c) 12 d) 114

Ans :

8. $(12 + 10 + 8 + 6 + 4 + 2) \div (6 + 5 + 4 + 3 + 2 + 1) =$

- a) 60 b) 45
c) 6 d) 2

Ans :

9. What number equals 3 ones + 5 tens + 4 hundreds + 60 thousands?

- a) 6,453 b) 60,453 c) 64,530
d) 354,060 e) 604,530

Ans :

10. $500 + 500 + 500 + 500 + 500 = 10 \times ?$

- a) 25 b) 50
c) 250 d) 2000

Ans :

11. Complete the number pattern.

100, 1, 99, 2, 98, ---, ---, ---

- a) 3, 97, 4 b) 4, 97, 5
c) 97, 3, 96 d) 97, 4, 96

Ans :

12. What units would be best to use to measure the weight (mass) of an egg?

- a) centimeters b) milliliters
c) grams d) kilograms



Ans :

13. What time is 45 minutes after 4:45?

- a) 4:00 b) 5:00
c) 5:15 d) 5:30



Ans :

14. How many 0s (zero's) are needed to write the numeral for ten thousand?

- a) 3 b) 4 c) 5 d) 6

Ans :

15. The product of 2 different whole numbers is 7. Their sum is

- a) 6 b) 7
c) 8 d) 14

Ans :

16. The product of 2005 and any odd number is always

- a) 2005 b) even
c) odd d) prime

17. My giant sunflower doubles its size every day. On Saturday it is _____ times as it was on the preceding Sunday.



- a) 2 b) 6 c) 49 d) 64

Ans:

18. Two buses, three bicycles and four cars went past the school gate. How many wheels went by?



Ans:

19. \square Represents the number of magazines that Lina reads each week. Which of these represents the total number of magazines that Lina reads in 6 weeks?

- a) $6 + \square$ b) $6 \times \square$
c) $\square + 6$ d) $(\square + \square) \times 6$

Ans:

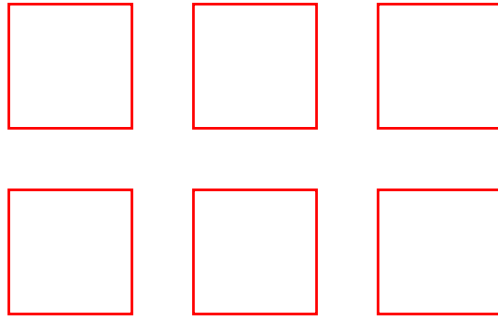
20. Here is a bowl of fruit.

One quarter were apples and one quarter were oranges and there were 4 bananas, 3 pears and 3 plums how many would be apples?



Ans:

21. Use these clues to write the names of the colours in each square.:

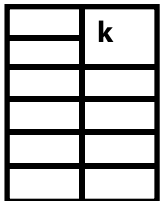


Blue is between green and red

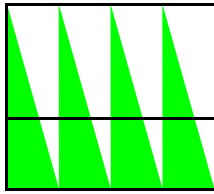
Orange is below green

Yellow is to the left of both purple and orange

22. For each figure, write the fraction shown: (a) What fraction is K? (b) What fraction of the figure is not colored? (c) What fraction of the whole is missing?



(a)



(b)



(c)

Ans a:

Ans b:

Ans c:

23. Jason spent Rs. 15.87 for three of the following items. Which three did he buy?

Book: Rs. 4.33

Toy: Rs. 5.87

Pen: Rs. 5.49

Sandwich: Rs. 6.05

Gift: Rs.5.59

Ans :

24. If $37 \times \# = 703$

What is the value of $37 \times \# + 6$?

Ans :

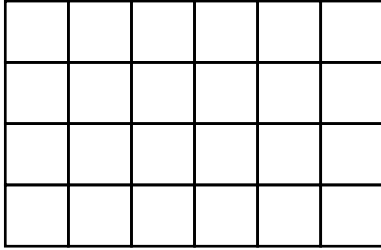
25. Complete the pattern by filling in the answers :

$28 \div \underline{\hspace{2cm}} = 4$

$28,000 \div \underline{\hspace{2cm}} = 4$

$280,000 \div \underline{\hspace{2cm}} = 4$

26. Shade in $\frac{3}{8}$ of the unit squares in the grid.



27. The objects on the scale make it balance exactly. On the left pan there is a 1 kg weight (mass) and half a brick. On the right pan there is one brick.

What is the weight (mass) of one brick?

- a) 0.5 kg b) 1 kg
- c) 2 kg d) 3 kg



Ans :

28. This is your evidence:

4 ▲ 3 = 1

Now try to solve this mystery operation

8 ▲ 5 = ???



29. This is your evidence

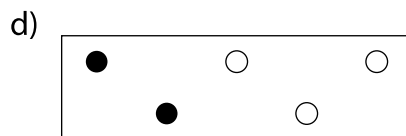
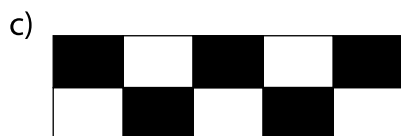
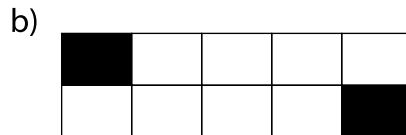
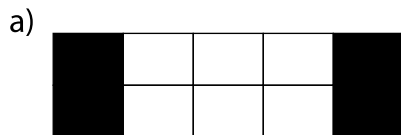
3 ▲ 4 = 20

Now try to solve this mystery operation.

0 ▲ 4 = ???

Ans :

30. Which picture shows that $\frac{2}{5}$ is equivalent to $\frac{4}{10}$?



Ans :

31. Grouping Goodies

Usha has no more than 20 sweets in a bag



She counts her sweets in groups of two. She has 1 left over. Then she counts her sweets in groups of five. She has 2 left over. How many sweets could Usha have? Is there another answer?

Ans :

32.



Blue



Red



Green

There are three baskets, a blue one, a red one and a green one, holding a total of 10 eggs.

The blue basket has one more egg in it than the red basket.

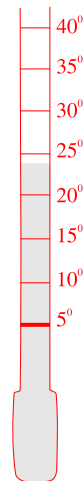
The red basket has 3 eggs less than the green basket.

How many eggs are there in each basket?

Blue: _____
 Red: _____
 Green: _____

33. This table shows temperatures at various times on four days.

TEMPERATURE					
	6 am	9 am	Noon	3 pm	6 pm
Monday	15°	17°	24°	21°	16°
Tuesday	20°	16°	15°	10°	9°
Wednesday	8°	14°	16°	19°	15°
Thursday	8°	11°	19°	26°	20°



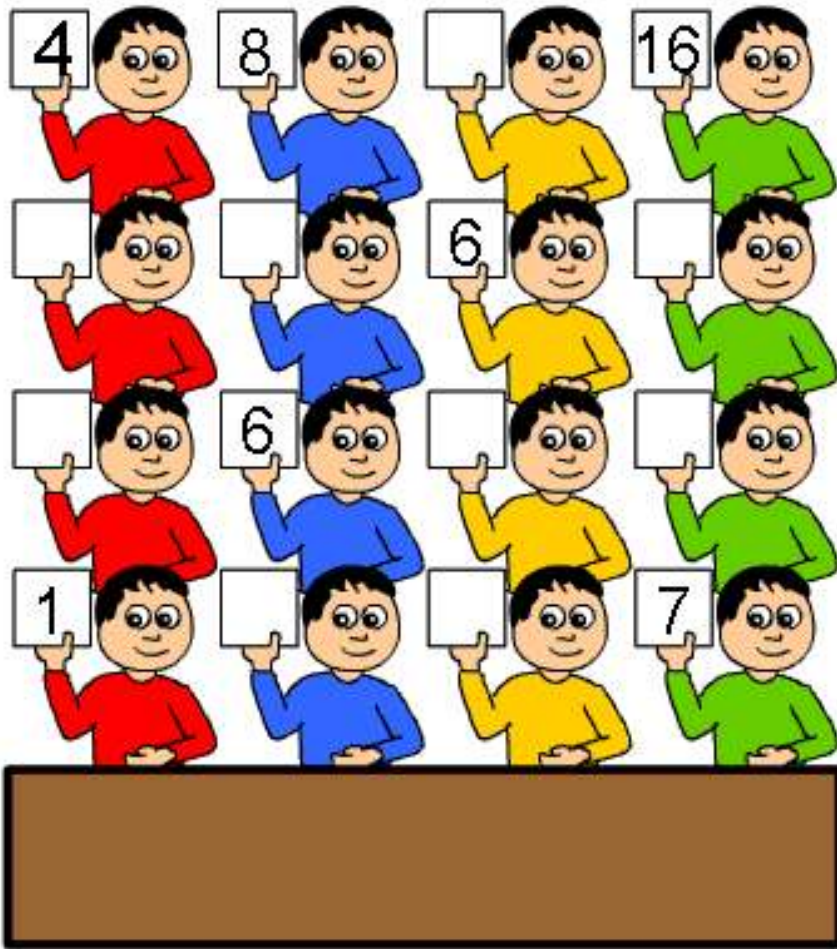
Thermometer

On which day and at what time was the temperature shown in the table the same as that shown on the thermometer ?

- a) Monday Noon b) Tuesday 6 am
- c) Wednesday 3 pm d) Thursday 3 pm

Ans :

34. These sixteen children are standing in four lines of four, one behind the other. They are each holding a card with a number on it.



Each child in blue is holding a number which is four more than the child in the same row wearing red.

The children in yellow shirts have a number which is double the number of the child in the same row wearing red.

Some of the numbers that the children in red, blue or yellow shirts are holding have got rubbed off. What should the numbers be?

What are the two missing numbers for the children in green?