

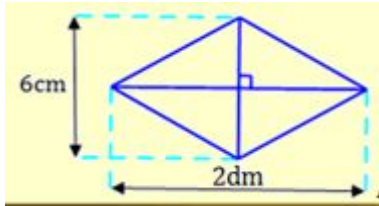
Đề thi Violympic Toán Tiếng Anh lớp 4 vòng 10 năm 2015 - 2016

Exam number 1: Choose the most suitable answer in 4 available answers.

Question 1: The value of expression: $A = \frac{1}{2016} + \frac{3}{2016} + \frac{5}{2016} + \dots + \frac{2015}{2016}$ is

- a. 1008 b. $4007/2016$ c. 504 d. $2017/2016$

Question 2: The area of the following rhomus is



- a. 6cm^2 b. 12cm^2 c. 120cm^2 d. 60cm^2

Question 3: Which of following numbers is smaller than 55606149 and larger than 55604896?

- a. 55695346 b. 55614186 c. 55605268 d. 55601982

Question 4: Anna bought 40 jellybeans. Which statement is incorrect?

- a. She can divide the beans equally into five groups.
b. She can divide the beans equally into groups of 2.
c. She can divide the beans equally into groups of 4.
d. She can divide the beans equally into three groups.

Question 5: Bob chose a natural number and multiplied it by four. Which of following numbers could not be his answer?

- a. 4846 b. 3756 c. 5924 d. 1736

Question 6: Suppose all counting numbers are arranged in columns as shown at the right. Under what letter will the number 2016 appear?

A	B	C	D	E	F	G
4		3		2		1
	5		6		7	
11		10		9		8
	12		13		14	
		...		16		15

- a. F b. C c. E d. B

Question 7: Given five numbers, the average of two numbers is 17 and the average of the other three numbers is 12. The average of all these number is.....

- a. 5/2 b. 29 c. 14 d. 29/2

Question 8: In the following expression: $20 - 16 + 7 : 36 \times 12$, if "+" means "x"; "-" means "+"; ":" means "-" and "x" means ":" the its value is

- a. 82/3 b. 124 c. 19/3 d. 129

Question 9: Donald Trump has 19 grandchildren, all of different ages. Anna is the eldest. The sum of ages of all grandchildren is 190. At least how old is Anna?

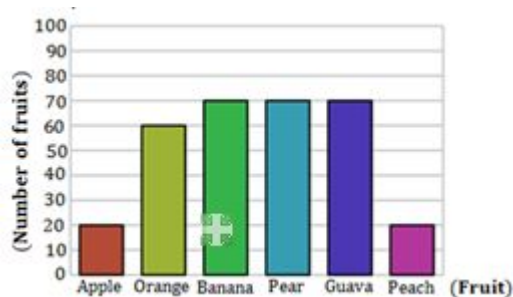
- a. 24 b. 20 c. 25 d. 19

Question 10: A square floor is tiled with congruent square tiles. The tiles on the two diagonals of the floor are black. The rest of the tiles are white. If there are 201 black tiles then the total number of white tiles is

- a. 10000 b. 9799 c. 10203 d. 9600

Exam number 2: Fill in the blank with the suitable number

Question 1: The following chart shows the number of fruits in a shop. There are more oranges than peaches.



Question 2: Fill the missing number in the blank. $44444 = 40000 + 400 + \dots + 4$

Question 3: The average of 4, 8, and 13 is 8. The value of is

Question 4: How many zero digits are there in ten million?

Question 5: The sum of two fractions $\frac{1}{2}$ and $\frac{1}{3}$ is a fraction with denominator of 12. Find its numerator.

Question 6: Three pumpkins are weighed in pairs in all possible ways. The weights of all these pairs are 8kg, 9kg and 11kg. How much does the lightest pumpkin weight?

Question 7: It takes Jack 42 minutes to cut a long log of wood into seven pieces. How long will it take him to cut that log of wood into nine pieces?

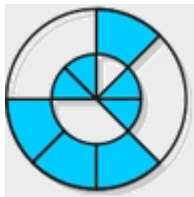
Question 8: The floor of a rectangular room is covered with square tiles. The room is 24 tiles long and 16 tiles wide. The number of tiles in the outer border of the floor is

Question 9: There are 3 children in a family, Jack, Mary and Peter. Mary can clean the house for 1 hour. Jack can do the same job for 2 hours and Peter needs 6 hours. If they do the job together then they need minutes.

Question 10: MNPQ is a square that is made up of two identical rectangles and two squares of area 9cm^2 and 16cm^2 . The area of the square MNPQ is cm^2 .

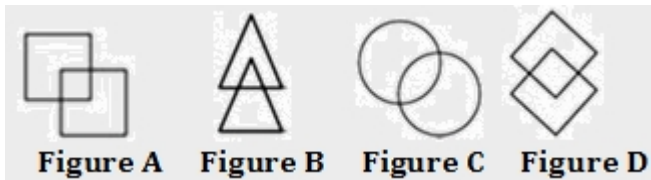
Exam number 3: Vượt chướng ngại vật

Question 1: What fraction of the circle is colored?



Question 2: The four - digit number 5BB1 is divide by 9. The value of B is

Question 3: Which of the following diagrams is different from the others?



a. Figure B b. Figure D c. Figure C d. Figure D

Question 4: In a restaurant, there are 17 tables, each with 3, 4 or 6 chairs. The tables with 3 or 4 chairs can accommodate 44 people. The restaurant can accommodate 74 people. How many tables are there with 3 chairs?

Question 5: Bella thinks of two consecutive numbers in the range 1 to 6. She tells Alice one of the numbers and Jack the other. Alice and Jack have the following conversation:

Jack: I don't know your number.

Alice: I don't know your number, too.

Jack: Now I know!

The pair of numbers which Bella think of could be

- a. 3 and 4 b. 4 and 5 c. 2 and 3 d. 5 and 6

ĐÁP ÁN

Exam number 1: Choose the most suitable answer in 4 available answers.

Question 1: c Question 2: d Question 3: c Question 4: d

Question 5: a Question 6: a Question 7: c

Question 8: d Question 9: a Question 10: d

Exam number 2: Fill in the blank with the suitable number

Question 1: 40 Question 2: 4040 Question 3: 7 Question 4: 7

Question 5: 10 Question 6: 3 Question 7: 56

Question 8: 76 Question 9: 36 Question 10: 49

Exam number 3: Vượt chướng ngại vật

Question 1: $1/2$ Question 2: 6 Question 3: c

Question 4: 4 Question 5: d

ĐỀ THI VIOLYMPIC TOÁN TIẾNG ANH LỚP 4 VÒNG 2 NĂM 2016 - 2017

Bài 1: Tìm cặp bằng nhau

82005 (1)	$8888 : 2$ (2)	$6785 + 9313$ (3)	$9000 + 300 + 4$ (4)
$80000 + 2000 + 5$ (5)	$(125 + 36) \times 2$ (6)	2222×2 (7)	$644 : 2$ (8)
$7896 - (1206 + 500)$ (9)	$5632 + 6872$ (10)	3126×4 (11)	$9000 + 40 + 3$ (12)
$12000 : 4$ (13)	$8000 + 3000 + 1000$ (14)	$5376 + 10722$ (15)	$7896 - 1206 - 500$ (16)
$7000 + 5000$ (17)	9043 (18)	$1000 + 2000$ (19)	9304 (20)

Bài 2: Đỉnh núi trí tuệ

Fill in the blank withn >; <; =

Câu 1: 2 hours 30 minutes... 230 minutes

Câu 2: Compare: 5328... 5283

Write >; =; < in the following blank

Câu 3: $17 - 2 + 4$... $6 \times 3 + 1$

Câu 4: What is the value of 8 in 289 763?

Câu 5: If $m = 23$ then $123 - m = \dots$

Câu 6: If $(a + 15) : 8 = 5$ then $a = \dots$

Câu 7: Find the value of P if $P : 3 \times 5 = 1500$.

Câu 8: If $x < 22 + 23 < x + 2$ then $x = \dots$

Câu 9: If $2 \times a = 10$ and $3 \times b = 12$ then $4 \times a + 6 \times b = \dots$

Câu 10: $35 \times 456 = 400 \times 35 + 35 \times \dots$ What is the missing number?

Câu 11: It cost \$ 15 to buy 3 books. If Nam want to buy 5 books, he must pay \$...

Câu 12: Of the 48 students, 21 are girls. How many more boys are there than girls?

Câu 13: The number of pens is twice the number of pencils in a stationery. The number of

pencils is 6 times the number of erasers in the shop. How many times is the number of pens as many as the number of erasers?

Câu 14: Jaya is 19 years old. Six years ago her mother was three times as old as her. How old is her mother now?

Câu 15: The product of 3 numbers is 72. If two of the numbers are 2 and 3. What is the third number?

Câu 16: Mr Nam is twice as old as his daughter. If he is 50 years old now, how old will his daughter be in ten years time?

Câu 17: How many even numbers are there between 4006 and 4022?

Câu 18: The perimeter of a square is 64cm. How long is each side?

Câu 19: Which of the following is not divisible by 7?

a) 42; b) 63; c) 74; d) 35

Câu 20: Which number's underlined digit is worth 60?

a) 7619; b) 4826; c) 6842; d) 8563

Câu 21: After rounding off the result of a sum to the nearest hundred, the answer is 2500. Which of the following is most likely to be this answer?

- a) 25 hundred + 60
- b) 24 thousand + 50
- c) 24 hundred + 50
- d) 25 thousand + 50

Câu 22: Which of the following numbers is the greatest

a) 4372; b) 4237; c) 4732; d) 4327

Bài 3: Chọn các giá trị theo thứ tự tăng dần

56213 (1)	896 (2)	123205 (3)	724 (4)
5171 (5)	12903 (6)	692 (7)	145562 (8)
65988 (9)	46211 (10)	34671 (11)	65982 (12)
12905 (13)	5155 (14)	145879 (15)	145561 (16)
123277 (17)	5044 (18)	65980 (19)	34672 (20)

Đáp án

Bài 1: Tìm các cặp giá trị bằng nhau

(1) = (5); (2) = (7); (3) = (15); (4) = (20); (6) = (8); (9) = (16); (10) = (11); (12) = (18); (13) = (19); (14) = (17)

Bài 2: Định nủ trí tuệ

Câu 1: <

Câu 9: 44

Câu 17: 7

Câu 2: >

Câu 10: 56

Câu 18: 16

Câu 3: =

Câu 11: 25

Câu 19: c

Câu 4: 80000

Câu 12: 6

Câu 20: d

Câu 5: 100

Câu 13: 12

Câu 21: c

Câu 6: 25

Câu 14: 45

Câu 22: c

Câu 7: 900

Câu 15: 12

Câu 8: 44

Câu 16: 35

Bài 3: Chọn các giá trị theo thứ tự tăng dần

(7) < (4) < (2) < (18) < (14) < (5) < (6) < (13) < (11) < (20) < (10) < (1) < (12) < (9) < (3) < (16) < (8) < (15)

Đề thi Violympic Toán Tiếng Anh lớp 4 vòng 3 năm 2016 - 2017

Bài 1: Vượt chướng ngại vật

Câu 1: What is the place value of digit 5 in this number 45

Câu 2: Fill in the given sequences with the next consecutive natural number: 3; 5 7; ...

Câu 3: Compare: $A = 10 + 32 + 54 + 76 + 98$ and $B = 54 + 90 + 36 + 12 + 78$

Câu 4: What is the missing number in the blank: $496 \times 7 = \dots + 450$

Câu 5: Find the value of the following expressions: $6000 - 1300 \times 2$

Câu 6: Find the value of the following expressions: $9000 + 1000 : 2$

Câu 7: What is the place value of digit 5 in this number 456

Câu 8: What is the place value of digit 5 in this number 12589

Câu 9: What is the place value of digit 5 in this number 195300

Câu 10: Fill in the given sequences with the next consecutive natural number: 2; 4; 6

Bài 2: Điền kết quả thích hợp vào chỗ (...)

Fill in the blank with the suitable number

Câu 1: Write the words in number form which consist of: 6 hundred thousands, 6 thousands, 4 thousands and 2 units

Câu 2: Write the words in number form which consist of: 7 ten thousands, 6 thousands, 3 hundreds, 4 tens and 2 units

Câu 3: How many double digit numbers are there?

Câu 4: How many single digit numbers are there?

Câu 5: The perimeter of a square garden is 36m. What is its area?

Câu 6: Anna has 206 stickers and Mary has 78 stickers. How many stickers must Anna give to Mary so that they have the same number of stickers?

Câu 7: 6 is just after of 5 is just before of 6. What is the product of just after and just before of 10?

Câu 8: Find the product of 7 tens and 7 ones

Câu 9: If A is divided by 9 then the sum of the quotient and 9 is the greatest 2 - digit number. Find the value of A

Câu 10: A number has a digit 3 in ones place. Is it greater than 64 but less than 82. What number is it?

Bài 3: Đi tìm kho báu

Câu 1: $9 \times 9 = \dots \times 9 + 9 + 9 + 9 + 9$

Câu 2: Fill the suitable digit in the blank: $6\dots524 > 68524$

Câu 3: Fill the suitable digit in the blank: $282828 < 28282\dots$

Câu 4: Fill the suitable digit in the blank: $471\dots < 4711$

Câu 5: Fill the suitable digit in the blank: $25376 > \dots5367$

Câu 6: Fill in the blank with the previous consecutive natural number: $\dots; 105$

Câu 7: Fill in the blank with the previous consecutive natural number: $\dots; 1$

Câu 8: Find the natural number y if the units digit is 0 and $38 < y < 48$

Câu 9: 10 thousands, 15 hundreds, 2 tens is the same as

a) 10170 b) 11502 c) 10152 d) 11520

Đáp án

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Bài 1: Vượt chướng ngại vật

Câu 1: 5

Câu 6: 9500

Câu 2: 9

Câu 7: 50

Câu 3: =

Câu 8: 500

Câu 4: 3022

Câu 9: 5000

Câu 5: 3400

Câu 10: 8

Bài 2: Điền kết quả thích hợp vào chỗ chấm

Câu 1: 634002

Câu 6: 64

Câu 2: 76342

Câu 7: 99

Câu 3: 90

Câu 8: 490

Câu 4: 10

Câu 9: 810

Câu 5: 81

Câu 10: 73

Bài 3: Đi tìm kho báu

Câu 1: 5

Câu 2: 9

Câu 3: 9

Câu 4: 0

Câu 5: 1

Câu 6: 104

Câu 7: 0

Câu 8: 40

Câu 9: d

Đề thi Violympic Toán Tiếng Anh lớp 4 vòng 4 năm 2016 - 2017

Bài 1: Sắp xếp theo thứ tự tăng dần

(1) $\frac{1}{6}$ hour	(6) 65 seconds	(11) 35 seconds	(16) 50 seconds
(2) $\frac{1}{3}$ hour	(7) 4 hours and $\frac{1}{6}$ hour	(12) 12 seconds	(17) 35 minutes
(3) 1 hours and $\frac{1}{2}$ hour	(8) 1 minute	(13) $\frac{1}{4}$ hour	(18) 33 minutes
(4) 43 minutes	(9) 73 seconds	(14) $\frac{1}{2}$ hour	(19) 20 seconds
(5) 120 minutes	(10) 1 hour and $\frac{1}{3}$ hour	(15) 123 seconds	(20) 9 seconds

Bài 2: Đi tìm kho báu

Câu 1: There are 8 packs of cookies, each of them weighs 150g. There are also 4 packs of candies, each of them weighs 200g. How many kilograms of cookies and candies are there altogether?

Câu 2: Convert: 2 hours = minutes

Câu 3: Find the arithmetic mean of consecutive numbers from 1 to 7?

Câu 4: The average of the natural numbers from 9 to 21 is

Câu 5: Write down the greatest odd 3 - digit number

Bài 3: Vượt chướng ngại vật

Câu 1: Find the value of x such that $x - 3925 = 1559$

Câu 2: Find the value of x such that $x - 3925 = 1527$

Câu 3: The average of all even numbers that are smaller than 1000 is ...

Câu 4: The average of five consecutive numbers is 105. Find the greatest number?

Câu 5: The last digit of the product $2 \times 4 \times 6 \times \dots \times 78$ is

Đáp án

Bài 1: Sắp xếp theo thứ tự tăng dần

$20 < 12 < 19 < 11 < 16 < 8 < 6 < 9 < 15 < 1 < 13 < 2 < 14 < 18 < 17 < 4 < 10 < 3 < 5 < 7$

Bài 2: Đi tìm kho báu

Câu 1: 2

Câu 2: 120

Câu 3: 4

Câu 4: 15

Câu 5: 999

Bài 3: Vượt chướng ngại vật

Câu 1: 5484

Câu 2: 5452

Câu 3: 499

Câu 4: 107

Câu 5: 0

Đề thi Violympic Toán Tiếng Anh lớp 4 vòng 5 năm 2016 - 2017

Bài 1: Điền kết quả thích hợp vào chỗ (...)

Câu 1: The perimeter of the triangle below is Cm



Câu 2: The sum of two numbers is 47 and their difference is 15. The smaller number is

Câu 3: The sum of two numbers is 98 and their difference is 24. The greater number is

Câu 4: Fill missing number in the blank $54723 + \dots = 27849 + 54723$

Câu 5: If the perimeter of a square is 104m then its one side's length ism

Câu 6: Find the value of $m - n + p$ for $m = 9253$, $n = 3149$ and $p = 2674$

Câu 7: Find x such that $x + 24360 = 41256$

Câu 8: Think of a number that if you add 720 to it the answer will be 1427. The number is

Câu 9: If $X \times 125 - X \times 25 = 1400$ then $X = \dots$

Câu 10: The perimeter of a rectangle is 72cm and its length is 12cm more than its width its length is

Bài 2: Cốc vàng tài ba

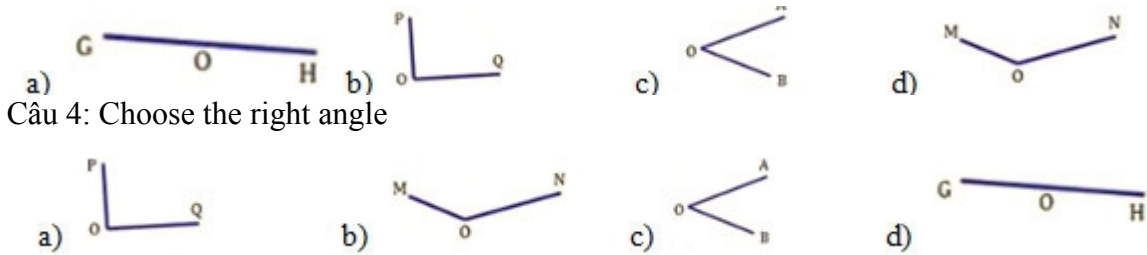
Câu 1: The smallest 3 - digit number is

- a) 101 b) 10 c) 100 d) 102

Câu 2: Choose the obtuse angle



Câu 3: Choose the obtuse angle



Câu 4: Choose the right angle

Câu 5: The sum of two numbers is the greatest 2 - digit number and their difference is 13. The greater number is

- a) 56 b) 58 c) 43 d) 41

Câu 6: The perimeter of a rectangle is 112cm and its length is 8cm more than its width. Its width iscm

- a) 64 b) 24 c) 48 d) 32

Câu 7: When N is divided by 12, the remainder is 9. When N is divided by 6, the remainder is

- a) 4 b) 0 c) 3 d) 2

Câu 8: Choose the correct number fill in the blank: 2; 4; 12; 48;

- a) 84 b) 96 c) 144 d) 240

Câu 9: Think of a number that when added to 12 then the answer is divided by 5 the result is 7. Choose the correct expression of the above situation

- a) $(x + 12) : 7 = 5$
 b) $x + 12 : 5 = 7$
 c) $x + 12 : 7 = 5$
 d) $(x + 12) : 5 = 7$

Câu 10: Think of a number that when added to 12 then the answer is divided by 5 the result is 7. The number is

- a) 23 b) 12 c) 47 d) 35

Bài 3: Sắp xếp theo thứ tự tăng dần

(1) The number \overline{ab} if $a + b = 12$ and $a - b = 0$	(6) 45:3	(11) 120:6	(16) $2 \times 4 \times 7$
(2) 36:2	(7) The number \overline{ab} if $a + b = 10$ and $a - b = 4$	(12) The number \overline{ab} if $a + b = 15$ and $a - b = 1$	(17) $5 \times 4 \times 2$
(3) 91:7	(8) $4 \times 8 + 23$	(13) 110:5	(18) $6 \times 7 + 10$
(4) The number \overline{ab} if $a + b = a - b = 7$	(9) 96:8	(14) The number \overline{ab} if $a + b = a - b = 8$	(19) $2 \times 3 \times 5$
(5) $5 \times 2 \times 5$	(10) 138:6	(15) 64:4	(20) $5 + 8 \times 6$

Đáp án

Bài 1: Điền kết quả thích hợp vào chỗ (...)

Câu 1: 753

Câu 6: 8778

Câu 2: 16

Câu 7: 16896

Câu 3: 61

Câu 8: 707

Câu 4: 27849

Câu 9: 14

Câu 5: 26

Câu 10: 24

Bài 2: Cóc vàng tài ba

Câu 1: c

Câu 6: b

Câu 2: c

Câu 7: c

Câu 3: d

Câu 8: d

Câu 4: a

Câu 9: d

Câu 5: a

Câu 10: a

Bài 3: Sắp xếp theo thứ tự tăng dần

$9 < 3 < 6 < 15 < 2 < 11 < 13 < 10 < 19 < 17 < 5 < 18 < 20 < 8 < 16 < 1 < 4 < 7 < 14 < 12$