Fun math

Rules

- We form 5 teams (5 members at the most)
- We pick randomly the order in which the teams pick questions
- Each team picks a question (category and difficulty) from the questions remaining on the board
- The team that has chosen the question is the first to answer in due time
  - If the answer is right the team gains the points according to the difficulty of the question and the next team continues picking question
  - If the answer is wrong each one of the rest of the teams answer the question
    - If the answer is right it gains all the points
    - If the answer is wrong it gains half the points
- The game ends when each team has chosen 5 questions. The last question is to be answered in case of tie. Then the first team that answers correctly the last question wins the game.

Natural Numbers			Fractions		
100	200	300	100	200	300
100	200	300	100	200	300
	400			400	

Decimal Numbers			Percentages		
100	200	300	100	200	300
100	200	300	100	200	300
	400			400	

Question: In a^n , a is called _____ and n is called _____ .

Answer

Base and Exponent

Natural Numbers

100

Time to answer: 1 min

Question: Find the next natural number: 4, 6, 9, 13, 18, ___

Answer

24

100

Time to answer : 1 min

Question: Fill the blanks:

$$199^1 = \underline{} , \quad 8^2 = \underline{} ,$$
$$\underline{}^3 = 8, \quad \underline{}^4 = 10000$$

Answer

$$199^1 = 199 , \quad 8^2 = 64,$$
$$2^3 = 8, \quad 10^4 = 10000$$

Natural
Numbers

200

Time to answer : 2 min

Question: Match operations in the first column with the results in the second.

6+6·3	20
36-2·8	1
125:5-4·6	24

Answer

6+6·3	20
36-2·8	1
125:5-4·6	24

Natural Numbers

200

Time to answer : 2 min

Question: Fill the table

X	0	2	3
x^2			
$2x$			
x^3			
$3x$			

Answer

X	0	2	3
x^2	0	4	9
$2x$	0	4	6
x^3	0	8	27
$3x$	0	6	9

Time to answer : 2,5 min

Natural Numbers

300

Question: Which number divided by 15 has 7 as a quotient and 12 as remainder

Answer

117

Question: Replace the dashes with the appropriate digit forming numbers that are divided with the adjacent number.

37__	2
72__	5
62__ __	3 και 25
1__5__	2 και 9

Answer

370 or 372 or374 or 376 or 378
720 or 725
6225
1152 or ….

Natural Numbers

400

Time to answer : 3,5 min

Question: Για να κατασκευάσω ισοδύναμα Fractions:

α. _____ τους όρους ενός κλάσματος με _____

ή

β. _____ τους όρους ενός κλάσματος με _____.

Answer

Πολλαπλασιάζω ή διαιρώ τους όρους του κλάσματος με τον ίδιο αριθμό

Fractions

100

Time to answer : 1 min

Question: Which fractions are called decimals fractions;

Answer

Those that have 10^n
as denominator

Fractions

100

Time to answer : 1 min

Question:

Answer

. . . . .

Fractions

200

Time to answer : 2 min

Question: ...

Answer

. . . . .

Fractions

200

Time to answer : 2 min

Question: .

Answer

. . . . .

Fractions

300

Time to answer : 2,5 min

Question:

Answer

. . . .

Fractions

300

Time to answer : 2,5 min

Question: Calculate the following

$$9: \frac{82-1}{12-3} - \frac{\frac{2}{6}+\frac{1}{3}}{\frac{4}{6}}$$

Answer

0

Fractions

400

Time to answer : 3,5 min

Question:.

Answer

....

Decimal
Numbers

100

Time to answer : 1 min

Question: .

Answer

. . . .

Question:

Answer

. . . .

Decimal
Numbers

200

Time to answer : 2 min

Question: .

Answer

.....

Decimal
Numbers

200

Question: ..

Answer

....

Decimal
Numbers

300

Time to answer : 2,5 min

Question: .

Answer

.....

Decimal
Numbers

300

Time to answer : 2,5 min

Question: .

Answer

....

Decimal
Numbers

400

Time to answer : 3,5 min

Question: .....

Answer

. . .

Percentages

100

Time to answer : 1 min

Question: ....

Answer

....

Percentages

100

Time to answer : 1 min

Question: .

Answer

. . . . .

Percentages

200

Time to answer : 2 min

Question: Match the percentages in the first column with the fractions in the second.

60%	$\frac{1}{2}$
75%	$\frac{3}{5}$
50%	$\frac{4}{5}$
80%	$\frac{3}{4}$

Answer

60%	$\frac{1}{2}$
75%	$\frac{3}{5}$
50%	$\frac{4}{5}$
80%	$\frac{3}{4}$

Percentages

200

Time to answer : 2 min

Question:

Answer

. . . . .

Percentages

300

Time to answer : 2,5 min

Question: .

Answer

. . . . .

Percentages

300

Time to answer : 2,5 min

Question: ....

Answer

. . . .

Percentages

400

Time to answer : 3,5 min

Results

- Be careful! Choose your next question taking into consideration each team's results !