

ROUND 3

Question 1:

Choose consecutively the cells with increasing value to remove them from the table.

$5cm^2\ 3mm^2$ (1)	$\frac{9}{500}dm^2$ (2)
$\frac{3}{100}cm^2$ (3)	$\frac{7}{100}cm^2$ (4)
$320mm^2$ (5)	$\frac{7}{500}dm^2$ (6)
$\frac{1}{50}cm^2$ (7)	$\frac{1}{50}dm^2$ (8)
$\frac{1}{100}cm^2$ (9)	$\frac{1}{125}dm^2$ (10)

$\frac{246}{6} - \frac{91}{7}$	$\frac{3}{4}$	The smallest 2 – digit number that divisible by 2	$\frac{12}{3}$
$9\frac{3}{5} \times 3\frac{1}{3}$	$1\frac{1}{20}$	$\frac{7}{8}$	The sum of all even numbers from 21 to 34
The sum of 99 and 222	$\frac{189}{8} - \frac{5}{8}$	$\frac{13}{4} - \frac{5}{4}$	The average of 354 and 3628
$\frac{4}{5} : 1\frac{6}{10}$	$\frac{5}{4} + \frac{3}{12}$	$3\frac{1}{4} + 4\frac{1}{5}$	The greatest distinct 2 – digit number
$\frac{273}{7}$	The greatest 3 – digit number	The sum of all 1 – digit natural number	$\frac{162}{3}$

$1\frac{1}{20}$	$\frac{3}{4}$	$\frac{189}{8} - \frac{5}{8}$	$\frac{4}{5} : 1\frac{6}{10}$
$3\frac{1}{4} + 4\frac{1}{5}$	The sum of all even numbers from 21 to 34	The sum of 99 and 222	The sum of all 1 – digit natural number
$\frac{3}{7} + \frac{12}{21} + 90$	The greatest distinct 2 – digit number	$\frac{3 \times 10}{5}$	$\frac{246}{6} - \frac{91}{7}$
$9\frac{3}{5} \times 3\frac{1}{3}$	$\frac{162}{3}$	The sum of 251 and 102	$\frac{1}{4}$
$\frac{5}{4} + \frac{3}{12}$	$\frac{13}{4} - \frac{5}{4}$	$\frac{8008008}{1001001}$	$\frac{273}{7}$

Question 2:

Fill in the blank with the suitable sign (>, <, =)

Compare: $\frac{5}{123}$ $\frac{1}{41}$

Question 3:

Divide $5\frac{1}{3} : 1\frac{2}{6} =$

Write your answer in the simplest form .

Question 4:

$3\text{km}^2 = \text{..... m}^2$.

Question 5:

...../4 m = 175cm.

The missing number is

Question 6:

The cost of eight spoons is 4 dollars. How much do 6 spoons cost?

Answer:

6 spoons costdollars.

Question 7:

The sum of two consecutive odd numbers is 2016. The greater number is

Question 8:

The sum of denominator and numerator of a fraction is 91 and the fraction is equal to $\frac{6}{7}$.

The denominator of the fraction is

Question 9:

$$\frac{1}{2} + \frac{1}{4} + \frac{1}{n} = \frac{11}{12}$$

The value of n is

Question 10:

Bella has 30 candies. Alice has 5 candies fewer than Bella. Sara has 5 candies more than Bella. How many candies do they have altogether?

Answer:

They have candies altogether.

Question 11:

The sum of the page number of the last 3 pages of a book is 369. What is the last page number?

Answer:

The last page number is

Question 12:

$$25\text{mm}^2 = \dots\dots\dots$$

A. $\frac{1}{40}\text{m}^2$

B. $\frac{1}{400}\text{m}^2$

C. $\frac{1}{4000}\text{cm}^2$

D. $\frac{1}{40000}\text{m}^2$

Question 13:

$$\frac{3}{100}\text{m}^2 = \dots\dots\dots$$

A. 3dm^2

B. 30cm^2

C. 3mm^2

D. 3cm^2

Question 14:

$$2\text{kg} = \dots\dots\dots$$

A. 20g

B. 200g

C. 2000g

D. 20000g

Question 15:

Write $>$, $<$, $=$

$$3\text{cm}^2 \quad 200\text{mm}^2 \quad \dots\dots\dots \quad 3200\text{mm}^2$$

Question 16:

The value of digit 5 in 345261 is

Answer:

Question 17:

The cost of 5 pencils is 9 dollar. How much does Tom have to pay for 10 pencils?

Answer:dollar.

Question 18:

The least common denominator of two fractions $\frac{2}{21}$ and $\frac{3}{28}$ is

Answer:

Question 19:

The sum of 2 consecutive even numbers is 850. Find the smaller number.

Answer:

Question 20:

The last digit of the product $1 \times 2 \times 3 \times 4 \times \dots \times 11$ is

Answer:

Question 21:

How many distinct 2-digit numbers from 10 to 69?

Answer:.....

Question 22:

The average of 2 numbers is 234 and their difference is 106. What is the value of the smaller number?

Answer:

Question 23:

There are 35 blue, 42 yellow and 27 black marbles in a box. Jim closes his eyes and draws a marble from the box. At least how many marbles must Jim draw to ensure that there is 1 blue marble?

Answer:

Question 24:

Look at this sequence: 2; 11; 36; 85;..... What number should come next?

Answer:

Question 25:

Calculate: $6\frac{1}{6} + \frac{11}{6} = \dots \dots \dots$

Answer:

Question 26:

How many odd numbers from 10 to 60?

Answer:

Question 27:

6 people complete a task in 3 days. How many people are needed to complete the same task in 2 days? (everyone has the same productivity)

Answer:

Question 28:

Calculate: $\frac{20}{16} + \frac{3}{15} + \frac{2}{12} + \frac{3}{4} + \frac{4}{5} + \frac{5}{6} = \dots$

Answer:

Question 29:

Calculate: $5\frac{2}{7} \times 1\frac{1}{4} = \dots$... (Write your answer in the simplest form)

Answer:

Question 30:

How many 3 digit numbers are there from 100 to 989?

Answer:

Question 31:

Find the average of $\frac{82}{4}$ and $\frac{146}{4}$

Answer:

Question 32:

Which of the following fractions is equal to $\frac{36}{162}$?

A. $\frac{1}{4}$

B. $\frac{2}{7}$

C. $\frac{3}{9}$

D. $\frac{12}{54}$

Question 33:

Convert the mixed fraction $5\frac{7}{9}$ to a fraction.

A. $\frac{12}{9}$

B. $\frac{54}{9}$

C. $\frac{18}{9}$

D. $\frac{52}{9}$

Question 34:

The sum of denominator and numerator of the fraction $\frac{243}{167}$ is ...

A. 400

B. 410

C. 310

D. 420

Question 35:

In the following numbers which is divisible by 6?

A. 2016

B. 2017

C. 2018

D. 2015

Question 36:

Write all 4-digit numbers from the smallest to the greatest. What is the 241th 4 –digit number?

A. 1241

B. 1242

C. 1240

D. 1239

Question 37:

There are 56 pens in box A and 64 pens in box B. How many pens must be transferred from box B to box A so that the number of pens in box A is 3 times the number of pens in box B?

A. 30

B. 31

C. 32

D. 34

Question 38:

Calculate: $1 + \frac{1+2}{2} + \frac{1+2+3}{3} + \dots + \frac{1+2+3+\dots+199}{199} = \dots$.

A. 345

B. 941

C. 145

D. 796

Question 39:

Given 4 fractions: $\frac{2}{3}; \frac{5}{6}; \frac{3030}{9090}; \frac{59}{60}$. The largest fraction is

A. 5/6

B. 2/3

C. 3030/9090

D. 59/60

Question 40:

The difference of two numbers is 189. Their ratio is 2:5. Find these numbers.

A. 54; 135

B. 234; 214

C. 534; 126

D. 126; 315

ROUND 4

Question 1:

Fill in the blank with >, <, =

2m 3cm 2,3m

Question 2:

Convert: 4ton 15kg = ton

Write the result by decimal number with comma between number part and fraction part

Question 3:

Write 2/100 as a decimal number with comma between number part and fraction part.

2/100 =

Question 4:

Calculate: 2,76 + 5,23 =

Write decimal number with the comma between number part and fraction part

Question 5:

Write 324/100 as a decimal number with comma between number part and fraction part.

324/100 =

Question 6:

Convert: $25357 \text{ cm}^2 = \dots\dots \text{ m}^2$.

Write decimal number with the comma between number part and fraction part

Question 7:

If $a = 3,256$ and $b = 42,86$ then $b - a = \dots\dots$

Write decimal number with the comma between number part and fraction part

Question 8:

Calculate: $5,752 - 0,18 = \dots\dots$

Write decimal number with the comma between number part and fraction part

Question 9:

If a and b are two consecutive natural numbers and $a > 0,2 + 0,3 + 0,4 + 0,5 > b$ then $a = \dots\dots$

Question 10:

Find a decimal number if it is decreased by $2,7$, the result is increased by $3,5$ then the last result is $7,5$.

Answer: $\dots\dots$

Write decimal number with the comma between number part and fraction part

Question 11:

In these decimal numbers: $4,6$; $5,03$; $3,45$; $3,54$; $5,3$; $4,06$; which number is the least?

Answer: $\dots\dots$

Question 12:

Convert: $4 \text{ dm}^2 \ 35 \text{ cm}^2 = \dots\dots \text{ dm}^2$.

Question 13:

In $718,3452$ which digit is in the tens place?

Answer: $\dots\dots$

Question 14:

The area of a rectangle is 7232 cm^2 . The area of a circle is 5346 cm^2 .

The sum of area of this rectangle and this circle is $\dots\dots \text{ dm}^2$.

Question 15:

I If $x - 3,45 = 6,72$ then $x + 1 = \dots\dots$

Question 16:

If $a = 3,4$; $b = 7,3$ and $c = 6,6$ then $(a + c) + b = \dots\dots$

Question 17:

If a and b are two consecutive even numbers and $a + 1 < 11,6443 < b$ then $a = \dots\dots$

Question 18:

Fill in the blank with the suitable sign ($>$, $=$, $<$)

Compare: $0,4 \dots\dots 5/100$

Question 19:

Fill in the blank with the suitable sign ($>$, $=$, $<$)

Compare: $A = 1,5 + a,23 + 4,61c$ and $B = a,b2c + 5,59$

Answer: A B

Question 20:

Fill in the blank with the suitable sign ($>$, $=$, $<$)

Compare: $A = 3,45 + 2,4 + 7,64$ and $B = 4,43 + 1,7 + 7,32$

Answer: A B

Question 21:

In 12.36 which digit is in the ones place?

A. 3

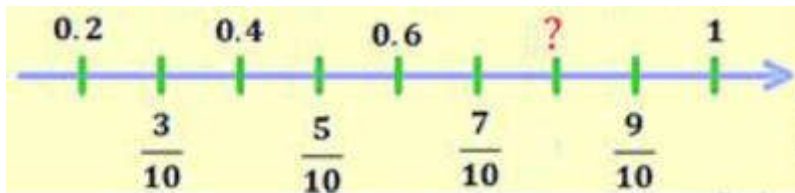
B. 2

C. 1

D. 6

Question 22:

Which of following decimal numbers should be replaced the question mark?



A. 0.7

B. 0.5

C. 0.8

D. 0.9

Question 23:

Write $\frac{12}{100}$ as a decimal number.

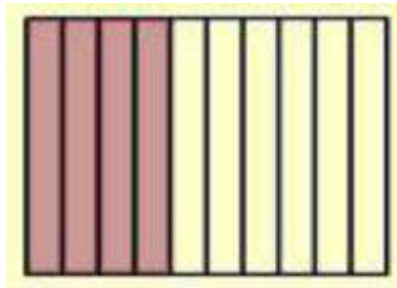
A. 12

B. 1.2

C. 0.12

D. 0.012

Question 24:



What decimal number is this?

A. 0.3

B. 0.5

C. 0.4

D. 0.2

Question 25:

Write 2.25 as a mixed number in the simplest form.

A. $2\frac{1}{4}$

B. $\frac{225}{100}$

C. $2\frac{25}{100}$

D. $2\frac{25}{10}$

Question 26:

Write the decimal number "six and three hundredth" using digits.

A. 3.6

B. 6.3

C. 3.06

D. 6.03

Question 27:

Convert 25g = kg.

Write your answer by decimal in the simplest form.

- A. 0.025 B. 0.25 C. 2500 D. 2.5

Question 28:

Write numbers below in order from least to greatest.

$\frac{3}{12}$; $\frac{4}{5}$; 0.75; 0.23

- A. $\frac{3}{12}$; 0.23; 0.75; $\frac{4}{5}$
 B. 0.23; $\frac{3}{12}$; 0.75; $\frac{4}{5}$
 C. $\frac{3}{12}$; $\frac{4}{5}$; 0.75; 0.23
 D. 0.23; $\frac{3}{12}$; $\frac{4}{5}$; 0.75

Question 29:

If x is a natural number and $x < \frac{2876}{100}$ then the greatest value of x is:

- A. 287 B. 28 C. 27 D. 2876

Question 30:

Find x if $ab4,938 < ab4,9x6 < ab4,953$.

Answer: x =

- A. 6 B. 4 C. 5 D. 3

Question 31:

Choose the equal pairs:

0.6 (1)	0.2 (2)	0.06 (3)	0.15 (4)
$\frac{6}{10}$ (5)	2.3 (6)	$1\frac{1}{2}$ (7)	$\frac{11}{10}$ (8)
2.03 (9)	$2\frac{3}{20}$ (10)	$\frac{6}{100}$ (11)	$\frac{2}{10}$ (12)
$\frac{23}{100}$ (13)	0.23 (14)	2.15 (15)	$\frac{23}{10}$ (16)
$2\frac{3}{100}$ (17)	1.5 (18)	$\frac{6}{40}$ (19)	1.1 (20)

Question 32:

Fill in the blank with the correct decimal number:

$\frac{9}{100}$ kg =kg.

Write your answer by decimal in the simplest form.

Question 33:

Write $47/100$ as a decimal number in the simplest form.

Answer:

Question 34:

In 348.256, which digit is in the tenths place?

Answer:

Question 35:

$4/10 + 6/1000 = \dots\dots\dots$

Write your answer by decimal in the simplest form.

Question 36:

I have two digits in the decimal part. I am greater than 75 but less than 80 What least possible number am I?

Answer:

Question 37:

Find the value of p.



Answer: $p = \dots\dots\dots$

Write your answer as a decimal in the simplest form.

Question 38:

Fill in the blank with the correct number.

$3/100$ m =cm

Question 39:

If p and q are consecutive natural numbers and $9.062 < p + q < 12.988$ then $p \times q = \dots\dots\dots$

Question 40:

If n is a natural number and $n < 12.03 < n + 5$ the the smallest value of n is

