

Pi Academy

YEAR 3

Number and Place Value Assessment – 3

Instructions:

1. The time allowed is 20 minutes for 20 questions
2. Follow the instructions and work as quickly and as carefully as you can.
3. If you need to do working out, you can use the space around the question.
4. The number under each question at the right side of the page tells you the number of marks available for each question.
5. No Marks are lost for an incorrect answer.
6. If you have written the wrong answer, erase it and write the new one. Make sure that your final answer is clear.

Total Marks	Marks Achieved (To be filled by Parent/Teacher)
25 Marks	

Symbols used:



Go to the next
page.



Do not turn the page
until told to do so.



Stop working and
await instructions.

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Year 3 Objectives for Number and Place Value according to KS2 Curriculum	Questions	Marks
Count from 0 in multiples of 4, 8, 50 and 100	3, 5, 7	3 Marks
Compare and order numbers up to 1,000 Read and write numbers to 1,000 in numerals and in words	1, 8, 13, 14	5 Marks
Find 10 or 100 more or less than a given number	2, 11, 17, 15	5 Marks
Recognize the place value of each digit in a three-digit number (hundreds, tens, ones)	6, 9, 19	4 Marks
Identify, represent and estimate numbers using different representations	12, 18	2 Marks
Solve number problems and practical problems that involves above points	10, 20	2 Marks

Other Important Topics Assessed	Questions	Marks
Even and Odd Numbers	4	2 Marks
Roman Numerals Up to XV	16	2 Marks

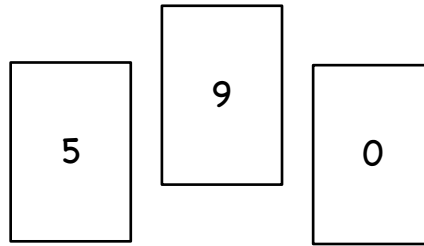
Total – 25 Marks





1

Here are some digit cards.



Alice uses the cards to make a 3-digit number. Write down the largest and the smallest number she can make.

- [A] Largest: 590, Smallest: 509
- [B] Largest: 905, Smallest: 590
- [C] Largest: 905, Smallest: 509
- [D] Largest: 950, Smallest: 509
- [E] Largest: 950, Smallest: 590

1 Mark





2

Bob has 563 candies. He gave 10 candies to his brother. How many candies are left with Bob?

[A] 553

[B] 535

[C] 573

[D] 537

[E] 463



1 Mark





3 What are the missing numbers?

0, 8, 16, _____ , _____ , 40, 48.

[A] 24, 30

[B] 24, 36

[C] 24, 16

[D] 24, 32

[E] 16, 24



1 Mark





4

i) List all the even numbers greater than 3 and smaller than 15.

[A] 4, 6, 8, 10, 12, 14

[B] 4, 6, 8, 10, 12, 16

[C] 4, 6, 8, 10, 12, 15

[D] 3, 6, 8, 10, 12, 14

[E] 3, 6, 7, 10, 12, 14

ii) List all the odd numbers greater than 4 and smaller than 20.

[A] 5, 7, 9, 11, 13, 15, 17, 19

[B] 5, 7, 9, 11, 13, 15, 17, 20

[C] 5, 7, 9, 11, 13, 15, 18, 19

[D] 4, 7, 9, 11, 13, 15, 17, 19

[E] 5, 7, 9, 11, 13, 15, 17, 21

2 Marks



**5**

Start at 0 and count in Eights. Select the two numbers that you can say from the box given below.

43	11	22
24	15	33
32	18	12

[A] 24 and 33

[B] 24 and 32

[C] 24 and 43

[D] 24 and 22

[E] 33 and 18

1 Mark





6

How many hundreds are there in each of these numbers?

i) $568 =$

[A] Five

[B] Four

[C] Three

[D] Six

[E] Two

ii) $165 =$

[A] One

[B] Two

[C] Three

[D] Four

[E] Five





iii) 76 =

[A] One

[B] Two

[C] Three

[D] Four

[E] Zero

iv) 990 =

[A] Six

[B] Nine

[C] Three

[D] Four

[E] Five

2 Marks





7

The giraffe moves on 50 from 350 and the horse moves back 100 from 500. Which number will they both reach?



[A] 500

[B] 450

[C] 350

[D] 400

[E] 300

1 Mark





8 Write these numbers in figures.

i) Nine hundred and ninety-three =

[A] 903

[B] 993

[C] 983

[D] 973

[E] 953

ii) Four hundred and sixty-seven =

[A] 560

[B] 460

[C] 467

[D] 476

[E] 486





iii) Five hundred and twenty =

[A] 500

[B] 560

[C] 580

[D] 620

[E] 520

iv) Nine hundred =

[A] 600

[B] 700

[C] 800

[D] 900

[E] 990

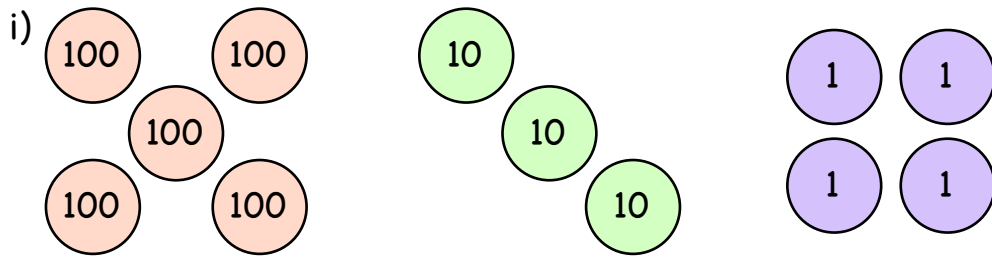
2 Marks





9

What number is shown by the counters?



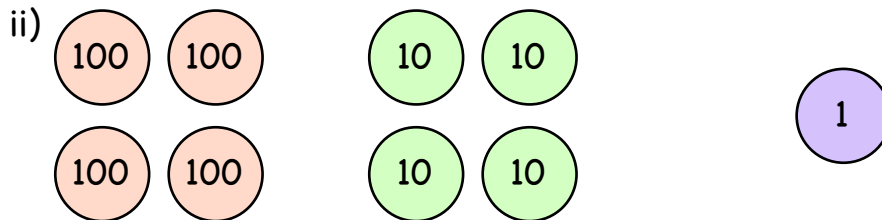
[A] 544

[B] 543

[C] 554

[D] 534

[E] 434



[A] 400

[B] 414

[C] 441

[D] 444

[E] 440

1 Mark





10

Hannah has four counters. She uses all four counters to make numbers on a place value grid. How many different three-digit numbers can Hannah make?

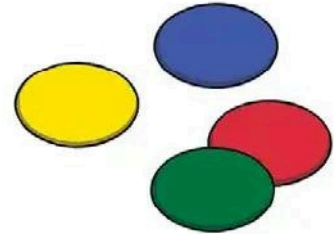
[A] 24

[B] 44

[C] 42

[D] 12

[E] 10



1 Mark





11 i) What is 10 more than 54?

[A] 54

[B] 44

[C] 64

[D] 40

[E] 30

ii) What is 100 less than 456?

[A] 356

[B] 446

[C] 646

[D] 400

[E] 300





iii) What is 10 less than 899?

[A] 879

[B] 889

[C] 999

[D] 869

[E] 877

iv) What is 100 more than 63?

[A] 160

[B] 161

[C] 162

[D] 163

[E] 164

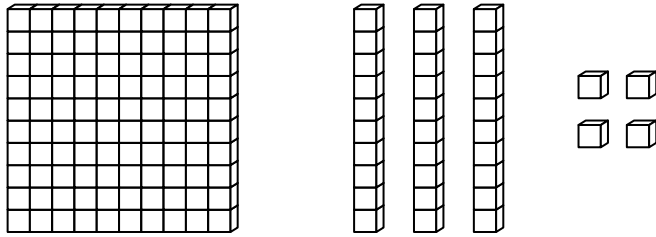
2 Marks





12

What number is shown by the Base 10 block?



[A] 144

[B] 234

[C] 334

[D] 134

[E] 154

1 Mark





13

i) Find the smallest number.

384 483 481 381 342 348

[A] 384

[B] 342

[C] 481

[D] 348

[E] 381

ii) Find the largest number.

165 561 163 651 632 136

[A] 561

[B] 163

[C] 165

[D] 632

[E] 651

1 Mark





14

Which set of numbers is ordered from least to greatest?

[A] 998, 987, 1000, 999

[B] 1000, 980, 876, 700

[C] 981, 984, 998, 1000

[D] 321, 200, 100, 199

[E] 199, 201, 189, 321



1 Mark



**15**

Daniel is rolling a dice. He makes a rule: if an even number comes, he will add 100 to the number, and if an odd number comes, he will add ten to the number. He gets 6 as his number. What will be his final number?

[A] 106

[B] 160

[C] 16

[D] 1060

[E] 116



1 Mark





16

Write these numbers in Roman numerals.

i) 15 =

[A] XV

[B] VX

[C] XIV

[D] XI

[E] IX

ii) 6 =

[A] V

[B] VI

[C] VII

[D] VIII

[E] IV





iii) 10 =

[A] VIII

[B] IX

[C] X

[D] XI

[E] XII

iv) 13 =

[A] X

[B] XI

[C] XII

[D] XIII

[E] XV

2 Marks





17

Bella has a piece of ribbon that is 332 cm long. She needs 100 cm more for her project. How much ribbon does she need in total?

[A] 232 cm

[B] 332 cm

[C] 432 cm

[D] 132 cm

[E] 532 cm

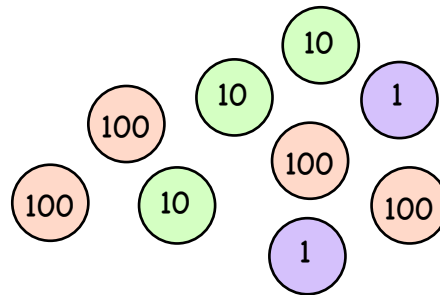


1 Mark



**18**

Laura is making a number using some counters. Laura chooses 7 counters. She makes a number greater than 423. Choose the name of the counters that Laura could have chosen.



- [A] 100, 100, 100, 100, 10, 1, 1
- [B] 100, 100, 100, 100, 10, 10, 1
- [C] 100, 100, 100, 10, 10, 10, 1
- [D] 100, 100, 100, 100, 10, 10, 10
- [E] 100, 100, 10, 10, 10, 1, 1

1 Mark





19

i) In the number 406, which digit is in the tens column?

[A] 0

[B] 4

[C] 6

[D] 40

[E] 10

ii) What is the 6 worth in the number 678?

[A] 6

[B] 600

[C] 60

[D] 400

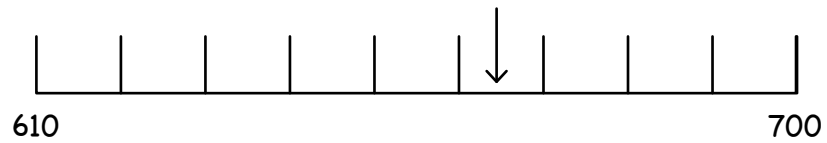
[E] 500

1 Mark



**20**

Find the number shown with an arrow on the number line.

**[A] 660****[B] 665****[C] 630****[D] 635****[E] 655****1 Mark****END OF THE TEST**