Welcome to HUNARly 11+ Number Systems Assessment(Easy/Medium Level)

Instructions:
1. The time allowed is 75 minutes for 57 questions.
2. This is a multiple-choice test and each question carries 1 Mark.
3. No Marks are lost for an incorrect answer.

1. Jack runs 100 meters in a time of 15.47 seconds, Emily runs the same distance in a time of 13.762 seconds. Estimate the difference in their times by rounding each number to the nearest whole number and subtracting:

A) 1 second B) 2 seconds C) 3 seconds D) 4 seconds E) 0 seconds

2. Sarah wrote down four 4-digit numbers, which number is closer to 2500?

A) 2386 B) 3017 C) 2838 D) 3701 E) 2100

3. There are 2096 people in a stadium, write this number correct to the nearest hundred:

A) 2000 B) 2090 C) 2100 D) 2200 E) 2150

4. What is 3.14 correct to 1 decimal place?

A) 3.2 B) 2.9 C) 3.0 D) 3.1 E) 3.15

5. What is 0.085 correct to 2 decimal places?

A) 0.0 B) 0.08 C) 0.09 D) 0.1 E) 0.15

6. What is 325.48 to the nearest 100 accuracy?

A) 300 B) 400 C) 325 D) 200 E) 350

7. What is 5.97 correct to 1 decimal place?

A) 6.0 B) 5.9 C) 5.8 D) 5.0 E) 5.1

8. Round 12.7 to the nearest whole number.

A) 12 B) 13 C) 12.5 D) 11 E) 127

9. Round £87 to the nearest £5.

A) £80 B) £90 C) £85 D) £95 E) £87.5

10. Round 1609.344 to the nearest 10.

A) 1600 B) 1605 C) 1610 D) 1620 E) 1619

11. According to google, the area of London is 1572 square km, round this number correct to the nearest 100 square km:

A) 1700 B) 1550 C) 1500 D) 1600 E) 1575

12. Carpenter ants can measure up to 2.64 cm long, round this number correct to 1 decimal place:

A) 2.5 B) 2.7 C) 2.6 D) 2.65 E) 2.66

13. Jon thinks of a whole number, rounds it to the nearest 100 and gets an answer of 700. What is the largest number that Jon might have thought of?

A) 650 B) 749 C) 700 D) 600 E) 729

14. Party hats come in packs of eight. Elise has 42 party hats. What's the smallest number of packs of party hats Elise could have bought?

A) 5 B) 6 C) 4 D) 7 E) 5.25

15. Estimate the following by first rounding each number to the nearest whole number: 9.47 x 34.5:

A) 340 B) 315 C) 350 D) 320 E) 317

16. A bus can carry 52 passengers. How many buses will be needed to transport 993 people to a sports day?

A) 19 B) 20 C) 21 D) 18 E) 19.07

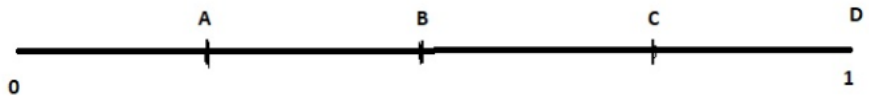
17. Farmer Andy's chickens lay a total of 314 eggs. Each egg box holds only 6 eggs. How many egg boxes will Andy be able to completely fill with these eggs?

A) 52 B) 50 C) 51 D) 49 E) 52.3

18. There are 2600 jelly beans in a jar to the nearest hundred. Jack says that there could be 2538 jelly beans in the jar. Mia says that there could be 2640 jelly beans in the jar. Frank says that there could be 2651 jelly beans in the jar. Which of the three people is correct?

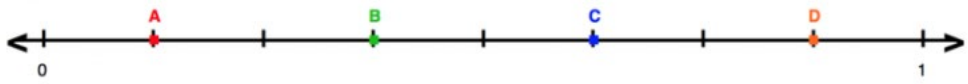
A) Jack B) Mia C) Frank

19. Which point represents 1/4?



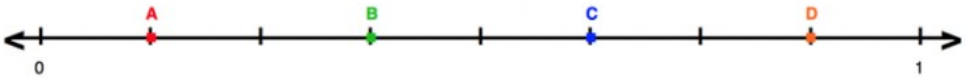
A) A B) B C) C D) D

20. Which point represents 3/8?



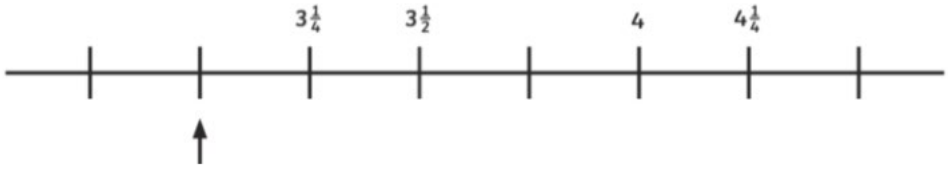
A) A B) B C) C D) D

21. Which point represents 1/8?



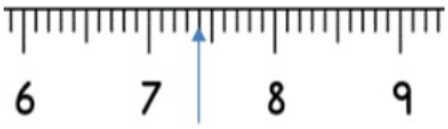
A) A B) B C) C D) D

22. What number is shown on the number line?



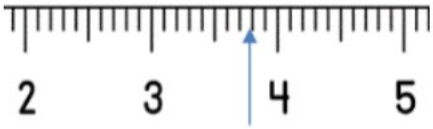
A) 2 3/4 B) 3 3/4 C) 2 1/4 D) 2 E) 3

23. What number is shown on the number line?



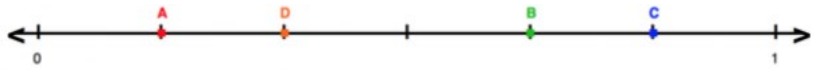
A) 6.72 B) 7.44 C) 7.6 D) 7.4 E) 7.45

24. What number is shown on the number line?



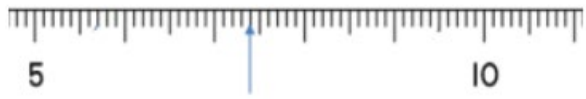
A) 3.08 B) 3.84 C) -3.77 D) 3.8 E) 0.38

25. What is point B?



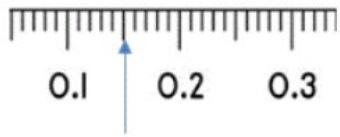
A) 5/6 B) 5/7 C) 4/6 D) 6/4 E) 7/5

26. What number is shown on the number line?



A) 6.72 B) 7.44 C) 7.6 D) 7.4

27. What number is shown on the number line?

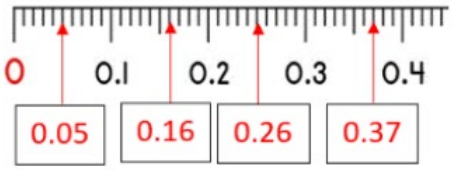


A) 0.14 B) 0.5 C) 0.15 D) 0.6 E) 0.115

28. What number is shown on the number line?

A) 0.27 B) 0.25 C) 0.26 D) 0.245 E) 0.28

29. Which of the numbers on the number line is incorrect?



A) 0.16 B) 0.37 C) 0.26 D) 0.05 E) All of the above are incorrect

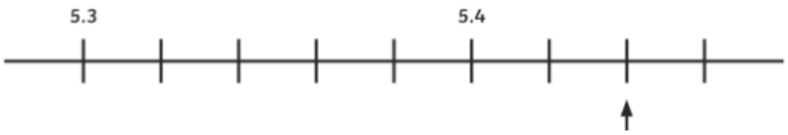
30. What number is shown on the number line?

A) 2.2 B) 2.1 C) 0.21 D) 0.22 E) 2.12

31. What number is shown on the number line?

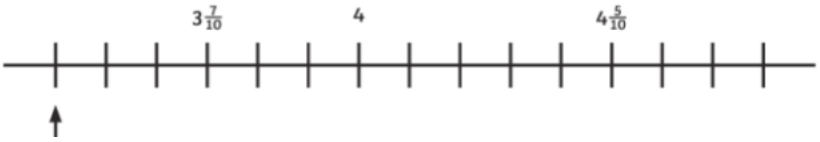
A) 2.6 B) 2.5 C) 2.65 D) 2.45 E) 2.7

32. What number is shown on the number line?



A) 5.42 B) 5.43 C) 5.44 D) 5.45 E) 5.46

33. What number is shown on the number line?



A) 3 B) 3.25 C) 3 5/10 D) 3 4/10 E) 3 5/4

34. 1 Million = _____ Hundred Thousand

A) 100 B) 1 C) 10 D) 1000 E) None of the above

35. If 502034 = 500000 + n + 30 + 4, then the value of n is

A) 2 B) 20 C) 2000 D) 200 E) None of the above

36. Which of the following is the correct statement.

(a) 1592 rounded off to nearest tens is 1600. (b) 7532 rounded off to nearest thousands is 7500. (c) 245 rounded off to nearest hundreds is 240. (d) 214653 rounded off to nearest ten thousands is 210000

A) a B) b C) c D) d E) None of the above

37. This question has 5 number cards: 7 6 2 4 8, the cards can be placed in order to form a 5-digit number. Using all the 5 cards what is the number that is closest to 50000

A) 48762 B) 47862 C) 48726 D) 48772 E) 48600

38. This question has 5 number cards: 7 6 2 4 8, Using only two of cards, what is the largest possible prime number

A) 67 B) 69 C) 87 D) 27 E) 24

39. What is the smallest odd 5-digit number that you can make with the digits 4, 7, 5, 8, 3 using each digit only once?

A) 34587 B) 34578 C) 34857 D) 34584 E) 34458

40. Here are 4 number cards: 5 9 2 4 Put all 4 cards together to make the largest possible odd number

A) 9423 B) 9245 C) 9625 D) 9425 E) 9543

41. Here are 4 number cards: 5 9 2 4 Put all 4 cards together to make the smallest possible multiple of 5

A) 2495 B) 2490 C) 2945 D) 2940 E) 9245

42. Here are 4 number cards: 5 9 2 4. Putting only 2 of the cards together, what is the largest possible square number?

A) 49 B) 59 C) 95 D) 36 E) 81

43. Arrange all the digits 9, 7, 6, 4, 2 to make the smallest even number.

A) 24976 B) 29746 C) 24796 D) 24786 E) 24788

44. Cameron has five number cards. 1 2 3 4 5. The cards can be placed together to form a number. Make the largest possible 2-digit prime number.

A) 53 B) 51 C) 57 D) 54 E) 52

45. 8 3 5 4 9 Using all these digits once only make the largest number divisible by 4.

A) 95384 B) 95348 C) 95834 D) 95484 E) 94546

46. Which one of the following numbers is three less than a multiple of 5 and three more than a multiple of 6?

A) 12 B) 17 C) 21 D) 22 E) 27

47. The digits 3, 1, 9, and 2 can be arranged in any order to make four-digit numbers. What is the difference between the largest and smallest numbers that you can make?

A) 8082 B) 8081 C) 8080 D) 8079 E) 8000

48. Solve the expression using the order of operations: 10 × (4 + 2)

A) 48 B) 42 C) 31 D) 60 E) 47

49. When you use the order of operations, the following two calculations give the same result

1. **10 ÷ (2 + 3)**
2. **10 ÷ 2 + 3**

A) TRUE B) FALSE C) None of the above D) All of the above E) Not enough information to solve the expression

50. Solve the expression using the order of operations: 10 + 6 ÷ 2

A) 8 B) 11 C) 25 D) 13 E) 47

51. There is a special offer at a local stationery shop. A notebook is normally £8, but if you buy more than 8 notebooks, you will get £3 off the price of each one. Harry decides to buy 9 notebooks. How much will the notebooks cost Harry at the special offer price? Which calculation will allow Harry to work out how much his notebooks will cost?

A) (9 × 8) – 3 B) 9 × (8 – 3) C) (9 × 8) – 3 x 8 D) None of them E) All of them

52. Solve the expression using the order of operations: 7 + 8 × 9 – 4

A) 75 B) 131 C) 47 D) 74 E) 76

53. Solve the expression using the order of operations: 8 × 3 + 6

A) 72 B) 42 C) 47 D) 74 E) 30

54. Solve the expression using the order of operations: 25 - 11 × 2

A) 39 B) 28 C) 31 D) 3 E) 47

55. Jamie bought six apples for 80p each and nine pears for 50p each. Which equation will help to work out the total cost for his shopping.

A) (6 x 80 + 9) x 50 B) 6 x (80 + 9 x 50) C) 6 x (80+ 9) x 50 D) (6 x 80) + (9 x 50) E) All of the above

56. The farmer has two different fields with fences around to keep his animals in. He needs to replace the fences, so he needs to work out how much wood to buy. One square pen has

an area of 64m. The second is a rectangular shape with a length of 14m and a width of 12m. How many meters of wood does he need to buy?

A) 62 B) 60 C) 228 D) 65 E) None of the above

57. If you follow the correct order of operations(i.e., BODMAS/BIDMAS) for 50 + (16 - 12) ÷ 2 x 8 - 4, the answer is 62. If you remove the brackets and still follow the order of operations for 50 + 16 - 12 ÷ 2 x 8 - 4, then the answer is:

A) 60 B) 50 C) 14 D) 12 E) Will remain the same