Welcome to HUNARly 11+ Number Systems Assessment(Medium/Hard Level) Instructions:

1. The time allowed is 75 minutes for 60 questions.
2. This is a multiple-choice test and each question carries 1 Mark.
3. No Marks are lost for an incorrect answer.

1. There are 2096 people in a stadium, Choose a number correct to the nearest hundred.

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

2. What is 0.085 correct to 2 decimal places?

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

3. What is 325.48 to the nearest 100 accuracy?

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

4. What is 5.97 correct to 1 decimal place?

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

5. Round 12.7 to the nearest whole number.

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

6. Round £87 to the nearest £5.

A) £80 B) £90 C) £85 D) £95 E) £87.5

7. Round 1609.344 to the nearest 10.

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

8. 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

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

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

10. 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

11. 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

12. 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

13. Farmer Andy 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

14. 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

15. Who am I?

- Less than a whole.
- If you round me to the nearest whole, I round up.
- I have 2 decimal places.
- I am 0.6 when rounded to the nearest tenth.

A) 1.07 B) 0.74 C) 0.6 D) 0.53 E) 0.58

16. Who am I?

- I am greater than half of 7.
- I am less than a quarter of 20.
- When rounded to the nearest tenth, I round down not up.
- I am 5 when rounded to the nearest whole.

A) 4.76 B) 4.86 C) 3.75 D) 4.53 E) 4.47

17. Who am I?

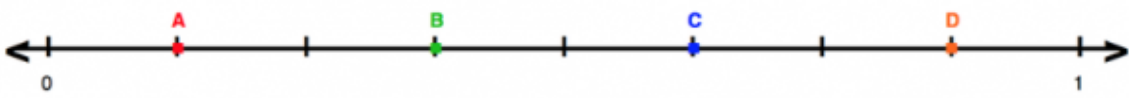
- If you round me to the nearest whole, I round up.
- If you round me to the nearest tenth, I round down.
- If you round me to the nearest hundredth, I round up.
- None of my digits are multiples of 3.

A) 5.625 B) 4.618 C) 5.128 D) 7.514 E) 1.827

18. Find the estimated difference between 16928 and 8952 by rounding off each number to nearest hundreds.

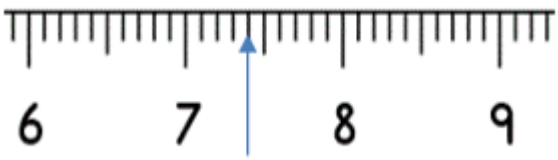
A) 7900 B) 8000 C) 7800 D) 7976 E) None of the above

19. Which point represents 3/8?



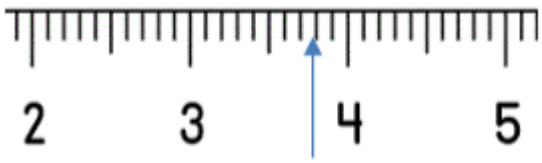
A) A B) B C) C D) D E) None

20. What number is shown on the number line?



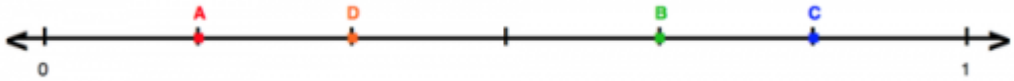
A) 6.72 B) 7.44 C) 7.6 D) 7.4

21. What number is shown on the number line?



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

22. What is point B?

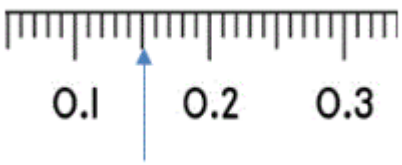


A) 5/6 B) 5/7 C) 4/6 D) 6/4 E) 7/5

23. What number is shown on the number line?

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

24. What number is shown on the number line?

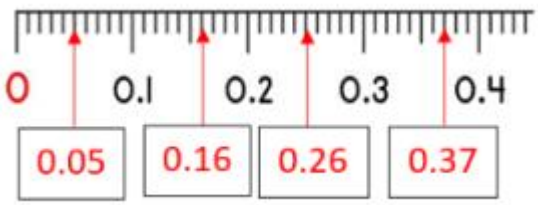


A) 0.14 B) 0.5 C) 0.15 D) 0.6 E) 0.115

25. What number is shown on the number line?

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

26. 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

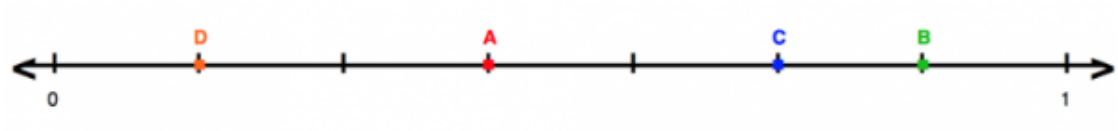
27. What number is shown on the number line?

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

28. What number is shown on the number line?

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

29. What is point C?

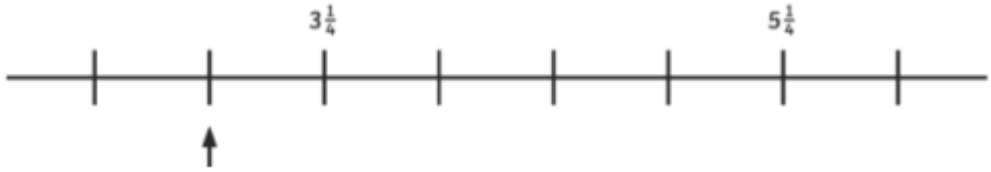


A) 6/7 B) 7/5 C) 6/8 D) 5/7 E) 3/6

30. What number is shown on the number line?

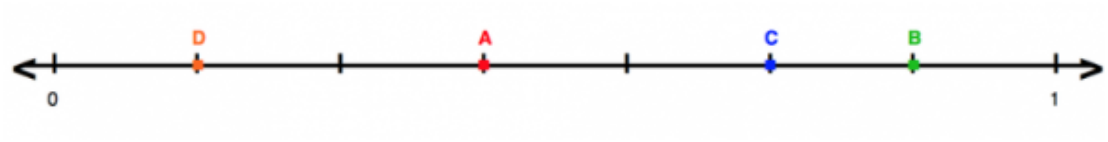
A) 0.46 B) 0.6 C) 0.43 D) 0.446 E) 0.48

31. What number is shown on the number line?



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

32. What is point A?



A) 7/3 B) 4/7 C) 3/7 D) 4/8 E) 3/6

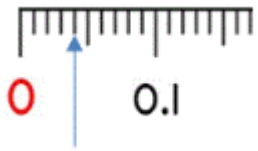
33. What is the distance between circle 'b' and circle 'c' (written as a fraction)?

A) 1/8 B) 3/3 C) 3/8 D) 4/6 E) 3/7

34. Which point represents 3/5?

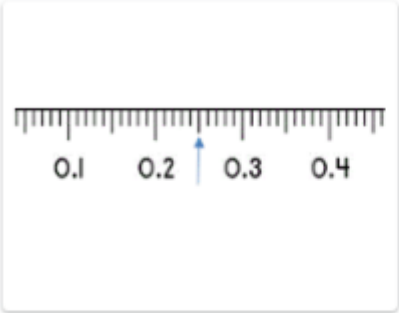
A) A B) B C) C D) D E) None

35. What number is shown on the number line?

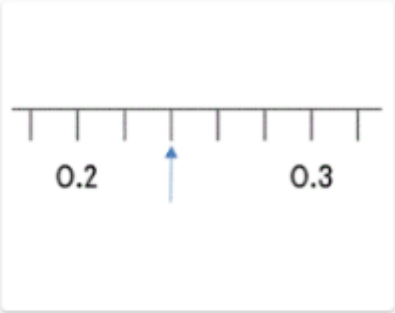


A) 0.4 B) 0.14 C) 0.44 D) 0.41 E) 0.04

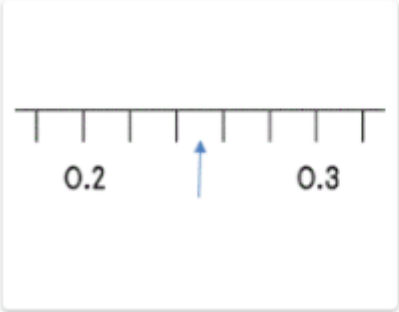
36. Which of the below doesn't show 0.25?



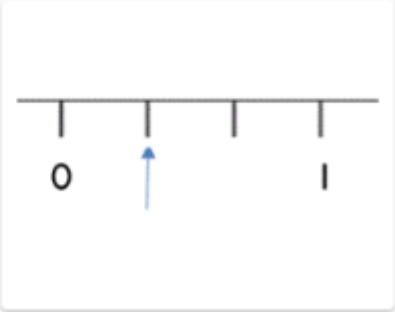
☐ B



☐ C



☐ A



☐ D

A) A B) B C) C D) D E) C & D

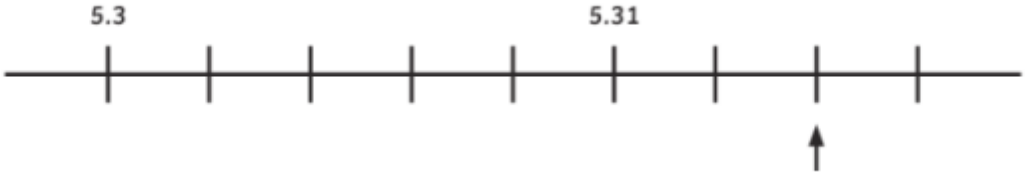
37. What number is shown on the number line?

A) 0.245 B) 0.241 C) 0.2405 D) 0.2425 E) 0.243

38. What number is shown on the number line?

A) 8.510 B) 8.515 C) 8.511 D) 8.519 E) 8.55

39. What number is shown on the number line?



A) 5.320 B) 5.315 C) 5.314 D) 5.316 E) 5.312

40. 1 Million = _____ Hundred Thousand

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

41. 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

42. 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

43. 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

44. 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

45. 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

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. Find the difference between 7234042 rounded to the nearest thousands and 42568 rounded to the nearest hundreds.

A) 7191400 B) 7192000 C) 7191470 D) 7191000 E) None of the above

48. Gita wants to form a 4 digit number where the first and last digits are both prime. What is the smallest numbers that Gita can form? Repeated digits are allowed.

A) 1001 B) 2002 C) 1000 D) 2001 E) 0000

49. Krish wants to form a 4 digit number where the first and last digits are both prime. What is the largest number that Krish can form? Repeated digits are allowed.

A) 7997 B) 7999 C) 9999 D) 9779 E) 99999

50. If a number is formed by interchanging the digits at tens and thousands places of 7939, then which of the following is correct?

A) New number > Original Number

B) New number < Original Number

C) New number = Original Number

D) New number + Original Number = 0

E) None of the above

51. Solve the expression using the order of operations:

10 × (4 + 2)

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

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

10 ÷ (2 + 3)

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

53. Solve the expression using the order of operations:

10 + 6 ÷ 2

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

54. 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 × 8 D) None of them E) All of them

55. Solve the expression using the order of operations:

7 + 8 × 9 – 4

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

56. Solve the expression using the order of operations:

8 × 3 + 6

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

57. Solve the expression using the order of operations:

25 - 11 × 2

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

58. 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

59. **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 rectangle shape with a length of 14m and a width of 12m. How many metres of wood does he need to buy?**

A) 62 B) 60 C) 228 D) 65 E) All of the above

60. 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) 62 B) 50 C) 14 D) 12 E) Will remain same, no change