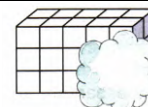
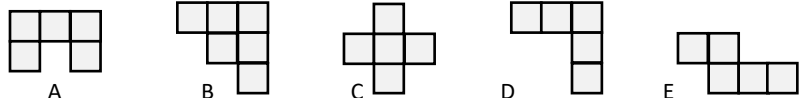
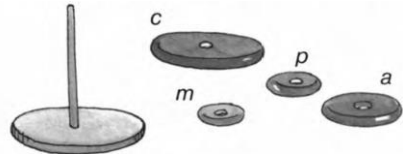



1. What is the next two numbers in a pattern? 9, 29, 49, ____, ____ A. 69,99 B. 79, 99 C. 59, 79 D. 59, 69 E. 69, 89
2. Find the value of: $9 + 10 - 8 + 10 - 1$. A. 20 B. 18 C. 10 D. 8 E. 0
3. If Liana has 13 pairs of socks, how many socks does Liana have? A. 13 B. 23 C. 26 D. 28 E. 29
4. Becky is thinking of a number. If she adds 40 to it, she gets 90. What is her secret number? A. 4 B. 5 C. 40 D. 50 E. 130
5. What three consecutive numbers make the sum of 15? A. 1, 5, 9 B. 2, 5, 8 C. 3, 5, 7 D. 4, 6, 7 E. 4, 5, 6
6. What is the result of adding 1 ten and 17 ones? A. 7 B. 10 C. 16 D. 18 E. 27
7. There are 51 birds in the garden. After 11 birds flew away, how many are left? A. 41 B. 40 C. 31 D. 30 E. 21
8. Aunt Mary put 6 cherry pies on each plate. How many cherry pies are on 7 plates? A. 42 B. 36 C. 30 D. 24 E. 18
9. In a vase, there are 8 tulips and 32 carnations. How many more carnations than tulips are there? A. 4 B. 8 C. 20 D. 24 E. 40
10. What fraction is shaded in the picture? A. $\frac{1}{2}$ B. $\frac{1}{3}$ C. $\frac{1}{4}$ D. $\frac{1}{5}$ E. $\frac{3}{1}$
11. Of the following, which sum is an odd number? A. $15 + 7$ B. $7 + 11$ C. $14 + 7$ D. $4 + 16$ E. $7 + 17$
12. Ann had 18 peas on her plate, Ben and Dan each had 8 peas. What was the total number of peas on three plates? A. 26 B. 28 C. 32 D. 34 E. 40
13. What number can be multiplied by 5 to get the same result as $10 + 10 + 10 + 10$? A. 8 B. 7 C. 6 D. 5 E. 6
14. Ron doubles a number, then adds 5 to it and gets 11. What number did Ron start with? A. 3 B. 4 C. 5 D. 6 E. 7
15. Four years ago, Mira was 5. How old will she be in 3 years from now? A. 7 B. 9 C. 11 D. 12 E. 16

16. Which number equals to $101 - 49$? A. 40 B. 41 C. 50 D. 51 E. 52
17. One guitar has 7 strings. How many strings are on 4 such guitars? A. 20 B. 21 C. 28 D. 35 E. 42
18. A thread that is 12 inches long was cut into equal pieces of 4 in. long each. How many pieces were obtained? A. 8 B. 6 C. 4 D. 3 E. 2
19. What math operation should you insert to make the statement correct? $10 _ 2 < 8$ A. minus B. times C. - or + D. addition E. division
20. Arina has 5 stickers. Lavanya has 20 more stickers than Arina. How many times more stickers does Lavanya have than Arina? A. 3 B. 4 C. 5 D. 6 E. 7
21. When I triple my age and add 1, I get 28. How old am I? A. 9 B. 8 C. 7 D. 6 E. 27
22. Which sum below has the largest value? A. $5 + 8$ B. $4 + 9$ C. $9 + 6$ D. $7 + 9$ E. $2 + 13$
23. Four passengers can fit in one car. How many cars are needed to drive 17 passengers? A. 7 B. 6 C. 5 D. 4 E. 3
24. Find the sum of all odd numbers from 0 to 5, including 5. A. 5 B. 6 C. 7 D. 8 E. 9
25. Fill in the blank: 4 less than 5 sixes = _____. A. 20 B. 26 C. 34 D. 36 E. 40
26. How many cents are in 5 nickels and 7 pennies? A. 24¢ B. 26¢ C. 28¢ D. 30¢ E. 32¢
27. Fill in the blank: 880 is between _____ and 881. A. 890 B. 889 C. 882 D. 881 E. 879
28. Which sign makes the statement true? 111 ones _____ 11 tens. A. < B. ≤ C. > D. = E. None of these
29. 16 inches = ___ ft ___ in A. 1 ft 4 in B. 1 ft 3 in C. 1 ft 2 in D. 1 ft 1 in E. 1 ft 0 in
30. Several cubes were used to make this 3-D shape (pictured here behind a large cotton ball). How many cubes were used? A. 45 B. 30 C. 27 D. 25 E. 24



31. What is the smallest 3-digit number whose digits are all different? A. 110 B. 102 C. 111 D. 100 E. 101
32. If four times a number is 24, what is two times that same number? A. 16 B. 14 C. 12 D. 8 E. 6
33. Ario, Bob and Dan want to make a group photo. In how many different orders can they sit? A. 1 B. 2 C. 4 D. 6 E. 8
34. Find the figure with a different number of squares.  A. E B. D C. C D. B E. A
35. How many different 2-digit numbers can you make, using the digits 1, 2, and 0. The digits may repeat. A. 2 B. 3 C. 4 D. 5 E. 6
36. Write the order of putting the pyramid together from the biggest shape at the bottom to the smallest at the top.  A. c, a, m, p B. c, a, p, m C. c, p, a, m D. c, p, m, a E. c, m, p, a
37. You are skip counting by 6, starting from 0. Which number you would not say? A. 24 B. 42 C. 18 D. 20 E. 54
38. Three days ago was Friday. What day is tomorrow? A. Monday B. Tuesday C. Wednesday D. Thursday E. Sunday
39. Into how many groups should you split 35 buttons, to get 7 buttons in each group? A. 7 B. 6 C. 5 D. 4 E. 3
40. Look at the coins in the figure below: a \$1-coin, two half-dollar coins, 4 dimes, 2 nickels. What is the smallest number of coins that can represent the same sum of money shown?  A. 3 coins B. 4 coins C. 2 coins D. 7 coins E. \$2.50

MATH CHALLENGE TOURNAMENT MASTERS

April 20, 2019



ELLIPSIS ACADEMY

Mental Math Challenge

Grade 2

Problem 1 – 40

Do not begin until you are instructed to do so.

Mental Math Challenge (15 minutes)

Mark your answers on the ANSWER SHEET.

You may not do any written work.

Solve as many problems as you can.