

Poorna Foundation



2nd Grade Summer Packet 1

Welcome to the Poorna Foundation Summer Packet!

At Poorna Foundation, we believe that learning is a lifelong journey that extends beyond the classroom. Summer is an excellent opportunity to continue building knowledge, strengthen essential skills, and prepare for the exciting opportunities of the coming school year.

This Summer Packet is designed to help students review and reinforce the concepts and skills they learned during the previous school year. Through engaging activities and meaningful practice, students can maintain academic progress, build confidence, and stay connected to learning throughout the summer.

Completing this packet at a steady pace can help prevent the "summer slide" and ensure a smooth transition into the next grade level. More importantly, it encourages students to develop critical thinking, creativity, perseverance, and a love of learning & skills that will benefit them in school and beyond.

We encourage students to do their best, ask questions, and take pride in their progress. Families play an important role in supporting summer learning by providing encouragement, celebrating achievements, and creating opportunities for curiosity and exploration every day.

The Poorna Foundation is honored to be part of your educational journey. We hope this summer packet inspires you to stay curious, keep learning, and begin the new school year feeling confident, prepared, and ready to succeed.

Have a safe, enjoyable, and enriching summer!

— Poorna Foundation

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Section A

MATH:

Section 1: Place Value & Comparing Numbers (Questions 1–20)

1. What is the value of the underlined digit: 753?
A) 5 B) 50 C) 500 D) 5000
2. What is 642 in expanded form?
A) $600 + 4 + 2$ B) $600 + 40 + 2$ C) $60 + 40 + 2$ D) $6 + 40 + 2$
3. Which number is greater?
A) 239 B) 329 C) 293 D) 219
4. Which number is the greatest?
A) 154 B) 415 C) 451 D) 145
5. What is 100 more than 256?
A) 356 B) 266 C) 256 D) 156
6. What is 10 less than 540?
A) 550 B) 530 C) 540 D) 500
7. Fill in the blank: ____ hundreds + 4 tens + 9 ones = 249
A) 4 B) 3 C) 2 D) 1
8. How many hundreds are in 838?
A) 8 B) 3 C) 38 D) 2
9. What is 67 rounded to the nearest ten?
A) 60 B) 70 C) 80 D) 50
10. What number is 3 hundreds, 2 tens, and 7 ones?
A) 320 B) 327 C) 237 D) 372
11. What number comes after 999?
A) 1000 B) 1001 C) 9990 D) 998
12. Which number has 4 in the tens place?
A) 742 B) 384 C) 619 D) 724
13. What number completes the pattern: 398, 399, ____, 401?
A) 398 B) 399 C) 400 D) 402

14. What digit is in the tens place of 572?
A) 2 B) 7 C) 5 D) 0
15. What number is $600 + 40 + 1$?
A) 641 B) 614 C) 604 D) 640
16. What is the smallest 3-digit number you can make with 3, 9, 1?
A) 391 B) 139 C) 193 D) 319
17. What is the largest 3-digit number you can make with 6, 2, 7?
A) 672 B) 726 C) 762 D) 276
18. What is 10 more than 345?
A) 335 B) 355 C) 340 D) 365
19. Which number is closer to 500?
A) 478 B) 490 C) 523 D) 550
20. What number comes just before 700?
A) 699 B) 701 C) 600 D) 798
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Section 2: Addition & Subtraction within 100 (Questions 21–40)

21. $47 + 28 =$
A) 65 B) 75 C) 70 D) 85
22. $90 - 43 =$
A) 43 B) 47 C) 50 D) 37
23. $15 + 9 =$
A) 24 B) 25 C) 26 D) 23
24. $81 - 17 =$
A) 64 B) 63 C) 62 D) 65
25. $34 + 56 =$
A) 90 B) 88 C) 91 D) 80
26. $99 - 66 =$
A) 44 B) 23 C) 33 D) 43
27. $25 + 37 =$
A) 62 B) 65 C) 60 D) 58

28. $70 - 49 =$

- A) 19 B) 20 C) 21 D) 22

29. $12 + 18 =$

- A) 30 B) 28 C) 29 D) 31

30. $63 - 38 =$

- A) 26 B) 25 C) 24 D) 28

31. $44 + 45 =$

- A) 89 B) 88 C) 90 D) 87

32. $85 - 42 =$

- A) 42 B) 41 C) 43 D) 44

33. $23 + 19 =$

- A) 42 B) 41 C) 43 D) 44

34. $77 - 36 =$

- A) 40 B) 41 C) 42 D) 43

35. $49 + 31 =$

- A) 79 B) 80 C) 81 D) 82

36. $100 - 57 =$

- A) 43 B) 44 C) 42 D) 45

37. $68 + 12 =$

- A) 80 B) 79 C) 81 D) 82

38. $79 - 33 =$

- A) 45 B) 46 C) 44 D) 47

39. $58 + 16 =$

- A) 73 B) 74 C) 75 D) 76

40. $90 - 28 =$

- A) 62 B) 63 C) 64 D) 65
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SCIENCE:

Matter and Its Properties (C1)

1. What is **matter**?
2. Name one example of **solid**, **liquid**, and **gas**.
3. How does matter change when heated?
4. What property would you use to sort objects into groups (e.g., color, size, shape)?
5. Is melting ice a physical or chemical change? Explain.

Forces and Motion (C2)

6. What is a **force**?
7. Name one way to make an object move faster.
8. What happens when two balls collide?
9. If you push a toy car harder, what will it do?
10. Draw and label an example of **push** and **pull**.

ELA: Spelling words (*ask an adult to say the words and you will spell it out loud for them*)

1. because
2. animal
3. family
4. friend
5. again
6. people
7. pretty
8. school
9. every
10. little

Passage 1: *The Lost Kitten*

Mia was walking home from school when she heard a soft *meow*. She looked around and saw a small gray kitten under a bush. It looked cold and hungry. Mia gently picked it up and carried it home. She gave it some milk and a blanket. The kitten purred happily. Mia's mom said they could keep it. Mia named the kitten Shadow.

Questions:

1. What did Mia hear on her way home?
 - A) A dog barking
 - B) A baby crying
 - C) A kitten meowing
 2. Where did Mia find the kitten?
 3. How did Mia help the kitten?
 4. What name did Mia give the kitten?
 5. How do you think Mia felt when she found the kitten? (Short answer)
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Section B

MATH:

Section 3: Addition & Subtraction within 1,000 (Questions 41–60)

41. $456 + 329 =$

- A) 775 B) 785 C) 795 D) 765

42. $702 - 158 =$

- A) 544 B) 548 C) 542 D) 552

43. $389 + 48 =$

- A) 427 B) 437 C) 439 D) 447

44. $821 - 407 =$

- A) 414 B) 412 C) 415 D) 413

45. $600 + 237 =$

- A) 837 B) 838 C) 836 D) 839

46. $915 - 328 =$

- A) 587 B) 586 C) 588 D) 589

47. $724 + 133 =$

- A) 857 B) 854 C) 859 D) 856

48. $837 - 219 =$

- A) 618 B) 617 C) 619 D) 620

49. $650 + 248 =$

- A) 898 B) 899 C) 900 D) 897

50. $999 - 478 =$

- A) 521 B) 522 C) 523 D) 520

51. $783 + 116 =$

- A) 899 B) 900 C) 898 D) 901

52. $864 - 375 =$

- A) 489 B) 488 C) 487 D) 490

53. $319 + 470 =$

- A) 789 B) 788 C) 790 D) 787

54. $800 - 244 =$

- A) 556 B) 557 C) 558 D) 559

55. $514 + 306 =$

- A) 820 B) 821 C) 822 D) 823

56. $912 - 508 =$

- A) 404 B) 403 C) 405 D) 406

57. $645 + 209 =$

- A) 854 B) 853 C) 855 D) 856

58. $733 - 486 =$

- A) 247 B) 248 C) 249 D) 250

59. $402 + 198 =$

- A) 600 B) 601 C) 599 D) 602

60. $720 - 365 =$

- A) 355 B) 354 C) 356 D) 353

Section 4: Time & Money (Questions 61–80)

61. What time is 30 minutes after 4:00?
A) 4:30 B) 4:15 C) 5:00 D) 4:45
62. You eat breakfast at 7:00. Is it AM or PM?
A) AM B) PM C) Both D) None
63. How many nickels make 40 cents?
A) 4 B) 5 C) 6 D) 8
64. What is the value of 1 quarter, 1 dime, and 1 nickel?
A) 35¢ B) 45¢ C) 40¢ D) 30¢
65. What coin is worth the most?
A) Penny B) Nickel C) Dime D) Quarter
66. Which is greater: 3 dimes or 2 quarters?
A) 3 dimes B) 2 quarters C) Same D) Can't tell
67. If you spend 25¢ from 50¢, how much do you have left?
A) 10¢ B) 15¢ C) 25¢ D) 20¢
68. You earn 10¢ a day for 5 days. How much do you have?
A) 40¢ B) 50¢ C) 60¢ D) 70¢
69. What time is shown: hour hand on 9, minute hand on 12?
A) 8:00 B) 9:00 C) 10:00 D) 9:30
70. What time is one hour before 6:30?
A) 5:30 B) 6:00 C) 7:30 D) 5:00
71. What coin is worth 10¢?
A) Nickel B) Penny C) Dime D) Quarter
72. How much is 3 nickels?
A) 10¢ B) 15¢ C) 20¢ D) 5¢
73. Which coin is the smallest in size?
A) Quarter B) Dime C) Nickel D) Penny
74. What is the total: 2 dimes + 3 pennies?
A) 23¢ B) 22¢ C) 25¢ D) 30¢
75. You get \$1.00. How many quarters make \$1.00?
A) 3 B) 4 C) 2 D) 5

76. What is 15 minutes after 2:30?
A) 2:45 B) 2:15 C) 2:00 D) 3:00
77. What is the value of 1 dime and 2 nickels?
A) 15¢ B) 10¢ C) 20¢ D) 5¢
78. How many pennies make 1 dollar?
A) 10 B) 50 C) 100 D) 25
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SCIENCE:

Energy (C3)

11. How is sound made?
12. What part of your body helps you hear sound?
13. Name a tool that helps people send messages over distance.
14. Why does a telephone work to send voices far away?

Patterns in the Natural World (C4)

16. What kind of star is the Sun?
17. What happens to Earth when it spins once?
18. Why can we sometimes see the Moon during the day?
19. Name one tool to help us study the sky.
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ELA:

Spelling words(*ask an adult to say the words and you will spell it out loud for them*)

1. water
2. house
3. sunny
4. rain
5. flying
6. jumping
7. garden

- 8. flower
- 9. picture
- 10. reading

Passage 2: A Trip to the Farm

Last weekend, Eli and his class visited a farm. They saw cows, pigs, and chickens. Eli liked the chickens best because they made funny noises. The farmer showed them how to feed the animals and collect eggs. At the end of the day, everyone got a fresh apple to take home. Eli said it was the best day ever!

Questions:

1. Where did Eli go with his class?
 - A) The zoo
 - B) A farm
 - C) A park
 2. Which animal did Eli like the most?
 3. What did the farmer teach the children?
 4. What did the children take home?
 5. Why do you think Eli said it was the best day ever? (Short answer)
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SECTION C

MATH:

Section 5: Measurement & Data (Questions 81–100)

81. Which is longer?
A) 1 foot B) 1 inch C) 1 cm D) 1 mm
82. What tool measures length?
A) Ruler B) Thermometer C) Scale D) Clock

83. Which is heavier?
A) Book B) Feather C) Paper D) Pencil
84. What tool measures temperature?
A) Thermometer B) Ruler C) Scale D) Clock
85. A pencil is about...
A) 5 inches B) 5 feet C) 5 yards D) 5 miles
86. Which is greater?
A) 1 pound B) 1 ounce C) Same D) Can't compare
87. What tool is used to weigh objects?
A) Scale B) Thermometer C) Ruler D) Clock
88. Which holds more?
A) Cup B) Quart C) Gallon D) Ounce
89. What is used to record information?
A) Graph B) Scale C) Clock D) Thermometer
90. How many inches in a foot?
A) 12 B) 10 C) 6 D) 24
91. A paperclip weighs about...
A) 1 pound B) 1 ounce C) 1 gram D) 1 kilogram
92. What shows data in pictures?
A) Bar graph B) Line graph C) Pictograph D) Table
93. A crayon is about...
A) 3 inches B) 3 feet C) 3 yards D) 3 cm
94. How many cups in a pint?
A) 2 B) 4 C) 6 D) 8
95. What is a balance scale used for?
A) Weighing B) Measuring length C) Measuring volume D) Measuring time
96. Which is lightest?
A) Paperclip B) Book C) Shoe D) Backpack
97. Which is smallest?
A) Millimeter B) Centimeter C) Meter D) Kilometer
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Section 6: Geometry & Fraction Concepts (Questions 101–120)

101. How many sides does a triangle have?
A) 2 B) 3 C) 4 D) 5
102. What shape has 4 equal sides?
A) Rectangle B) Square C) Triangle D) Trapezoid
103. What is half of a circle called?
A) Arc B) Quarter C) Semicircle D) Sector
104. Which shape can roll?
A) Cube B) Cylinder C) Square D) Cone
105. Which has more corners?
A) Triangle B) Square C) Pentagon D) Hexagon
106. What is $\frac{1}{2}$ of 8?
A) 2 B) 3 C) 4 D) 5
107. Which fraction is bigger?
A) $\frac{1}{2}$ B) $\frac{1}{4}$ C) $\frac{1}{3}$ D) $\frac{1}{6}$
108. What is one-fourth of 12?
A) 3 B) 4 C) 2 D) 5
109. What is a shape with 6 sides?
A) Pentagon B) Hexagon C) Octagon D) Heptagon
110. A cube has how many faces?
A) 4 B) 5 C) 6 D) 8
111. A shape divided into 4 equal parts is divided into...
A) Halves B) Quarters C) Thirds D) Fifths
112. A rectangle has...
A) 4 sides B) 3 sides C) 5 sides D) 6 sides
113. Which is a 3D shape?
A) Square B) Triangle C) Cube D) Circle
114. Which has only straight sides?
A) Circle B) Oval C) Triangle D) Sphere

115. Which is a real-world example of a sphere?
A) Dice B) Ball C) Box D) Paper
116. What is a triangle with all sides equal?
A) Isosceles B) Scalene C) Equilateral D) Right
117. What shape is a stop sign?
A) Octagon B) Pentagon C) Hexagon D) Square
118. Which shape is a traffic cone?
A) Sphere B) Cylinder C) Cone D) Cube
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SCIENCE:

Earth Materials and Systems (C5)

21. What can move soil and rocks around Earth (two examples)?
22. Why do we measure weather?
23. What kind of weather instruments do you know?
24. Why do some places have more severe weather than others?
25. How can we show weather data on a graph?

Natural Resources and Their Management (C6)

26. What is a natural resource? Give one example.
27. What is a man-made resource? Give one example.
28. Why is it important to save or manage resources?

Interactions Within Environments (C7)

29. How do seeds travel to new places? Name one way.
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ELA:

Spelling words(*ask an adult to say the words and you will spell it out loud for them*)

1. paper
2. happy
3. winter
4. summer
5. yellow
6. together
7. birthday
8. quickly
9. answer
10. laugh

Passage 3: *The Rainy Day*

It was raining all day, so Lily and her brother stayed inside. First, they built a blanket fort in the living room. Then they read books and told each other funny stories. Later, they made popcorn and watched a movie. Even though it was rainy, they had a fun day together.

Questions:

1. What kind of weather was it?
 - A) Sunny
 - B) Rainy
 - C) Snowy
2. What did Lily and her brother build?
3. Name two things they did inside.
4. What snack did they eat?
5. What is the main idea of the story? (Short answer)