

PRACTICE WORKSHEET + FULL ANSWER KEY

Counting, comparing and shapes

Kindergarten and early primary. Work through the sections in order, or choose the one that matches this week's topic.

QUESTIONS	SECTIONS	ANSWER KEY	WORKING SPACE
102	10	At the back	Ruled

Name _____ Class _____ Date _____

Before you start

Use objects before symbols. Touch each object once while counting, then say the total. Ask the child to explain a comparison by matching objects in two rows.

WORKED EXAMPLE

There are 3 red blocks and 2 blue blocks. How many blocks are there?

- 1 Place the two groups together.
- 2 Count each block once: 1, 2, 3, 4, 5.
- 3 There are 5 blocks altogether.

Use this method as your model. Set out your own working the same way.

Common mistakes to avoid

- Counting an object twice
- Confusing the size of an object with the number of objects

There are 102 questions across 10 sections. Write in the ruled space, then mark your work against the answer key at the back. Topics covered: Counting to 10, More and fewer, Patterns and shapes.

SECTION A Count and write the number

Touch each object once as you count. Say the last number out loud, then write it.

1

Write the number that comes after 6.

3

Fill the gap: 1, 2, 3, __, 5, 6.

2

Write the number that comes before 4.

4

Draw 5 dots in a row. Write how many.

- 5 Count backwards from 5 to 1. Write the numbers.

- 6 Draw 2 rows of 4 stars. How many stars altogether?

- 7 Count in twos from 2 to 10. Write the numbers.

- 8 Write the number that comes after 9.

- 9 Fill the gaps: 7, 8, __, __, 11.

- 10 Draw 10 circles. Colour 3 of them. How many are not coloured?

SECTION B More, fewer and the same

Line the two groups up and match them one to one before you decide.

- 11 Which is more: 6 counters or 3 counters?

- 12 Which is fewer: 4 blocks or 9 blocks?

- 13 Draw 2 groups that have the same number of dots.

- 14 Put in order from smallest to largest: 5, 2, 8.

- 15 Put in order from largest to smallest: 3, 9, 6.

- 16 Ana has 4 stickers. Ben has 7. Who has more?

- 17 Draw a group with 1 more than 5.

- 18 Draw a group with 2 fewer than 8.

- 19 Which number is between 4 and 6?

- 20 Is 10 more or fewer than 7? By how many?

SECTION C Add and take away to 10

Use counters or draw a picture first. Then write the number sentence.

- 21 Work out $3 + 2$.

- 22 Work out $4 + 4$.

- 23 Work out $7 - 2$.

- 24 Work out $10 - 6$.

- 25 You have 7 blocks and put away 2. How many are left?

- 26 There are 5 birds. 3 more land. How many birds now?

- 27 Find two numbers that add to make 6.

- 28 Fill the gap: $6 + \underline{\quad} = 10$.

- 29 Fill the gap: $\underline{\quad} - 3 = 5$.

- 30 Draw 9 counters and take away 4. Write the number sentence.

- 31 Kim has 2 red cars and 6 blue cars. How many cars altogether?

SECTION D Shapes, patterns and position

Count the sides and the corners. Say the shape name out loud as you draw.

- 32 Draw a shape with 3 straight sides. Name it.

- 33 Draw a shape with 4 equal sides. Name it.

- 34 How many corners does a rectangle have?

- 35 Continue the pattern: circle, square, circle, square, $\underline{\quad}$.

36

Continue the pattern: red, red, blue, red, red, ____.

37

Name a shape with no straight sides.

38

How many sides does a hexagon have?

39

Draw a ball and a box. Which one rolls easily? Say why.

40

Draw a cat under a table.

41

Draw a star to the left of a tree.

42

Make your own pattern with 2 shapes and repeat it 3 times.

SECTION E Measure, share and explain

Compare two things at a time and say how you know.

43

Draw a long pencil and a short pencil. Circle the longer one.

44

Which holds more: a cup or a bucket?

45

Which is heavier: a feather or a book?

46

Sort into 2 groups: apple, ball, banana, box. Say your rule.

47

How many days are there in one week?

48 Count the fingers on both hands.

49 Share 6 counters equally between 2 children.
How many each?

50 Draw 4 sweets shared onto 2 plates. How
many on each plate?

51 Tell an adult a number story about 5, then
write the number sentence.

52 Which number tells how many toes you have?

SECTION F Number bonds and doubles

Use your fingers or counters. Say the whole number sentence out loud.

53 Write two numbers that add to make 10.

54 Fill the gap: $5 + \underline{\quad} = 10$.

55 Fill the gap: $8 + \underline{\quad} = 10$.

56 Double 3.

57 Double 5.

58 Half of 8 is $\underline{\quad}$.

59 Half of 10 is $\underline{\quad}$.

60 Is $4 + 3$ the same as $3 + 4$? Try both.

61 Write all the pairs of numbers that make 5.

62 Draw 10 dots in two groups. Write your
number sentence.

SECTION G First, next, last

Position words tell us where something is in an order.

- 63 Draw 3 children in a line. Label them first, second and third.

- 64 Which day comes after Tuesday?

- 65 Which day comes before Saturday?

- 66 Which day comes after Sunday?

- 67 Write the 4th letter of the word PLANT.

- 68 Draw 5 shapes in a row and colour the 2nd one.

- 69 Put in order: last, first, next.

- 70 How many days are there from Monday to Friday?

- 71 Which season comes after summer?

- 72 Say the months of the year. Which month is first?

SECTION H Money and time

Count the coins one at a time. Look at the short hand on the clock first.

- 73 Which is worth more: a 5-cent coin or a 25-cent coin?

- 74 You have two 10-cent coins. How much is that?

- 75 You have a 25-cent coin and a 10-cent coin. How much is that?

- 76 A sticker costs 5 cents. How much do 3 stickers cost?

77

Draw the hands on a clock to show 3 o'clock.

78

The long hand points to 12 and the short hand to 8. What time is it?

79

Which takes longer: brushing your teeth or sleeping at night?

80

You have 50 cents and spend 20 cents. How much is left?

81

Order from smallest value to largest: 25 cents, 5 cents, 10 cents.

82

Draw the hands on a clock to show half past 6.

SECTION I Sorting and picture graphs

Count carefully, then say which group has more and how many more.

83

Sort into 2 groups: red car, red hat, blue car, blue hat. Say your rule.

84

A picture graph shows 4 apples and 6 bananas. Which fruit has more?

85

For that graph, how many pieces of fruit are there altogether?

86

Count the letters in your name. Draw that many squares.

87

3 children like cats and 5 like dogs. Which is more popular?

88

For that survey, how many children were asked?

89

Draw a tally for 7.

90

Sort by size, smallest first: a pea, an apple, a watermelon.

91

Which shape appears most: circle, square, circle, circle, square?

92

Ask 3 friends their favourite colour. Draw one block for each answer.

SECTION J Mixed review

Read each one slowly. Draw a picture if it helps you think.

93

Count on 3 from 6. What number do you reach?

94

Count back 4 from 9. What number do you reach?

95

There are 4 red and 5 yellow flowers. How many flowers?

96

You had 10 grapes and ate 3. How many are left?

97

Which is heavier: 2 books or 1 book?

98

Draw a shape with 4 sides that is not a square.

99

Write the numbers from 10 down to 1.

100

Make a repeating pattern using 3 colours.

101

Share 8 counters equally between 4 children.

102

Tell a number story about 10, then write the number sentence.

Answer key

Work each section before you check it. These are model answers: an equivalent method, or a different well-supported interpretation, can be just as correct.

SECTION A - COUNT AND WRITE THE NUMBER

1. 7.
2. 3.
3. 4.
4. 5 dots.
5. 5, 4, 3, 2, 1.
6. 8 stars.
7. 2, 4, 6, 8, 10.
8. 10.
9. 9 and 10.
10. 7 circles.

SECTION B - MORE, FEWER AND THE SAME

11. 6 counters. There are 3 more.
12. 4 blocks. There are 5 fewer.
13. Any two equal groups, for example 3 dots and 3 dots.
14. 2, 5, 8.
15. 9, 6, 3.
16. Ben. He has 3 more stickers.
17. 6 objects.
18. 6 objects.
19. 5.
20. More, by 3.

SECTION C - ADD AND TAKE AWAY TO 10

21. 5.
22. 8.
23. 5.
24. 4.
25. 5 blocks. $7 - 2 = 5$.
26. 8 birds. $5 + 3 = 8$.
27. For example $4 + 2$ or $5 + 1$. Any correct pair is fine.
28. 4.
29. 8.
30. $9 - 4 = 5$.
31. 8 cars. $2 + 6 = 8$.

SECTION D - SHAPES, PATTERNS AND POSITION

32. A triangle.
33. A square.
34. 4 corners.
35. Circle.
36. Blue.

37. A circle.
38. 6 sides.
39. The ball, because it is round all over. The box has flat faces, so it slides.
40. A drawing showing the cat below the table.
41. A drawing with the star on the left of the tree.
42. Any repeating two-shape pattern, for example triangle, circle, triangle, circle, triangle, circle.

SECTION E - MEASURE, SHARE AND EXPLAIN

43. The longer pencil is circled.
44. The bucket.
45. The book.
46. For example fruit (apple, banana) and not fruit (ball, box). Any clear rule is fine.
47. 7 days.
48. 10 fingers.
49. 3 counters each.
50. 2 sweets on each plate.
51. A story matching a number sentence, for example 5 ducks and 2 swim away: $5 - 2 = 3$.
52. 10.

SECTION F - NUMBER BONDS AND DOUBLES

53. For example $6 + 4$ or $7 + 3$. Any correct pair is fine.
54. 5.
55. 2.
56. 6.
57. 10.
58. 4.
59. 5.
60. Yes. Both make 7.
61. $0 + 5$, $1 + 4$, $2 + 3$, $3 + 2$, $4 + 1$ and $5 + 0$.
62. Any pair that totals 10, for example $6 + 4 = 10$.

SECTION G - FIRST, NEXT, LAST

63. A drawing labelled first, second and third.
64. Wednesday.
65. Friday.
66. Monday.
67. N.
68. The second shape from the left is coloured.
69. First, next, last.
70. 5 days.

71. Autumn.

72. January.

SECTION H - MONEY AND TIME

73. The 25-cent coin.

74. 20 cents.

75. 35 cents.

76. 15 cents.

77. The short hand points to 3 and the long hand points to 12.

78. 8 o'clock.

79. Sleeping at night.

80. 30 cents.

81. 5 cents, 10 cents, 25 cents.

82. The short hand is between 6 and 7 and the long hand points to 6.

SECTION I - SORTING AND PICTURE GRAPHS

83. By colour (red, blue) or by object (cars, hats). Any clear rule is fine.

84. Bananas, by 2.

85. 10.

86. One square drawn for each letter in the name.

87. Dogs.

88. 8 children.

89. One crossed group of five, then two more strokes.

90. Pea, apple, watermelon.

91. Circle. There are 3 circles and 2 squares.

92. One block per answer, with the colours labelled.

SECTION J - MIXED REVIEW

93. 9.

94. 5.

95. 9 flowers.

96. 7 grapes.

97. 2 books.

98. A rectangle, or any other four-sided shape that is not a square.

99. 10, 9, 8, 7, 6, 5, 4, 3, 2, 1.

100. Any repeating pattern, for example red, blue, green, red, blue, green.

101. 2 counters each.

102. A story that matches a sentence, for example $10 - 4 = 6$.

Review and next steps

Mark your work against the answer key, record your score for each section, then answer the three questions below. Bring this page to your next lesson so your tutor can start from what actually blocked you.

Which question did you find hardest, and what exactly stopped you?

Rewrite the corrected working for that question here.

Which section do you want to practise again before your next lesson?

Score record

SECTION	QUESTIONS	NUMBER CORRECT	PRACTISE AGAIN?
A. Count and write the number	10		
B. More, fewer and the same	10		
C. Add and take away to 10	11		
D. Shapes, patterns and position	11		
E. Measure, share and explain	10		
F. Number bonds and doubles	10		
G. First, next, last	10		
H. Money and time	10		
I. Sorting and picture graphs	10		
J. Mixed review	10		
Total	102		

Keep going with one-to-one support.

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