

ISEE Primary 2 Mathematics Practice Test

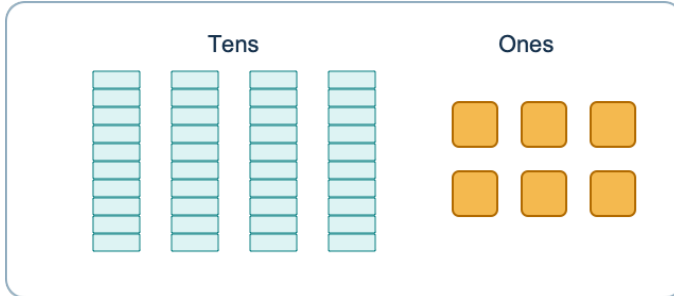
24 questions | 26 minutes | Four choices per question

Directions. Work through this original mathematics section in the allotted time. Choose one answer for each question. Use scratch paper. Check the answer key only after finishing. This is independent practice, not an official ISEE test or a score predictor. The full ISEE also tests reading; Lower, Middle, and Upper have additional verbal, quantitative, and essay sections.

Name: _____

Date: _____

1. The blocks show a number. Which number is shown?



- A. 46
C. 64
- B. 10
D. 40

2. Noah puts 13 crayons on a table. Four crayons roll away. How many crayons are still on the table?

- A. 8
C. 10
- B. 9
D. 17

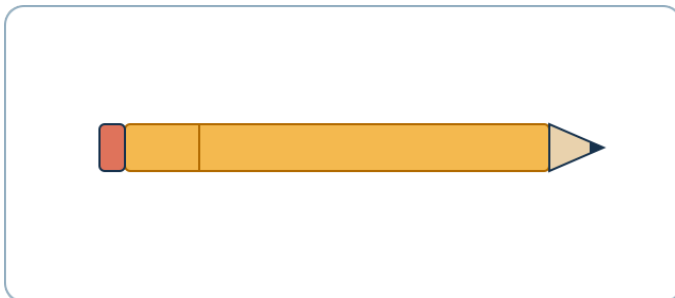
3. Four students write these numbers: 70, 72, 62, and 27. Which number is greatest?

- A. 70
C. 62
- B. 72
D. 27

4. A box has 8 red counters. Some blue counters are added. Now there are 13 counters. How many blue counters were added?

- A. 5
C. 4
- B. 6
D. 21

5. Which tool should a student use to measure the length of the pencil shown?

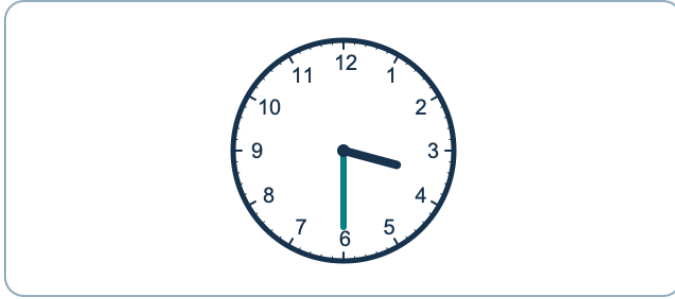


- A. clock
C. measuring cup
- B. ruler
D. thermometer

6. A skip-counting pattern is 20, 30, 40, _____. What number comes next?

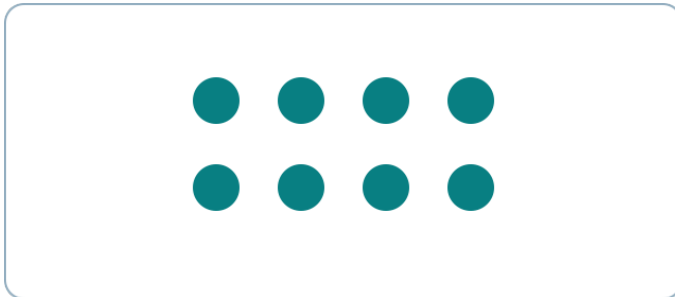
- A. 41
C. 50
- B. 45
D. 60

7. A class clock is shown. What time does it show?



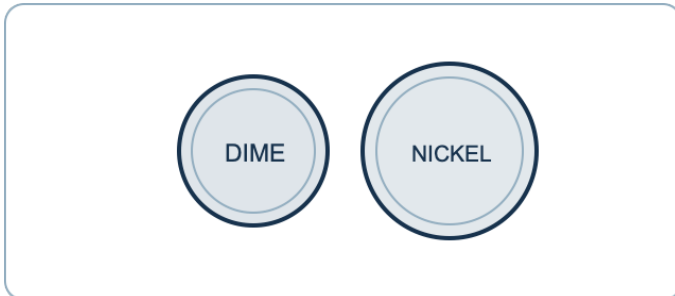
- A. 3:00
B. 3:30
C. 6:15
D. 4:30

8. The dots are arranged in equal rows. How many dots are shown?



- A. 7
B. 8
C. 6
D. 9

9. Lena has the coins shown and buys a sticker that costs 10 cents. How many cents will she have left?



- A. 15
B. 10
C. 20
D. 5

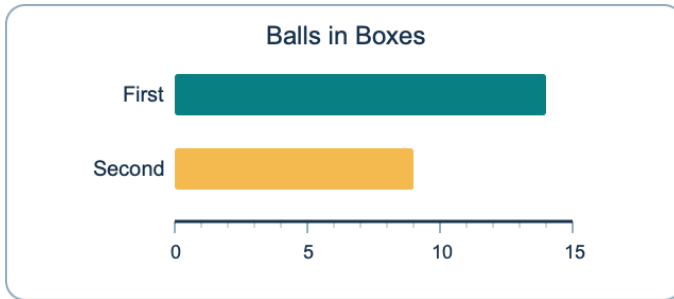
10. A shelf has 17 books. Eight books are checked out. How many books are left on the shelf?

- A. 9
B. 10
C. 25
D. 8

11. A number has 5 tens and 4 ones. Which choice names the number?

- A. 50
B. 45
C. 54
D. 59

12. The graph shows balls in two boxes. How many more balls are in Box A than in Box B?



- A. 5
C. 23
- B. 4
D. 9

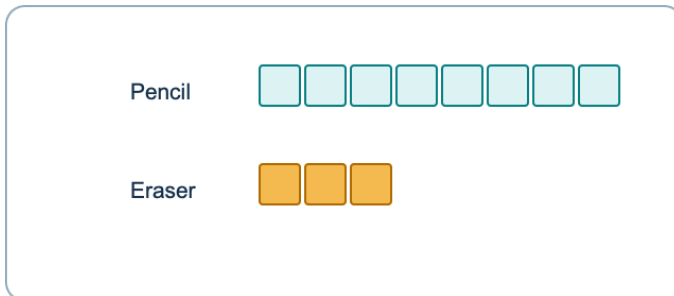
13. Ten strawberries are shared equally by 2 children. How many strawberries does each child get?

- A. 5
C. 10
- B. 2
D. 8

14. A bus has 23 children on it. Ten more children get on. How many children are on the bus now?

- A. 24
C. 13
- B. 43
D. 33

15. The pencil is 8 cubes long. The eraser is 3 cubes long. How many cubes longer is the pencil than the eraser?

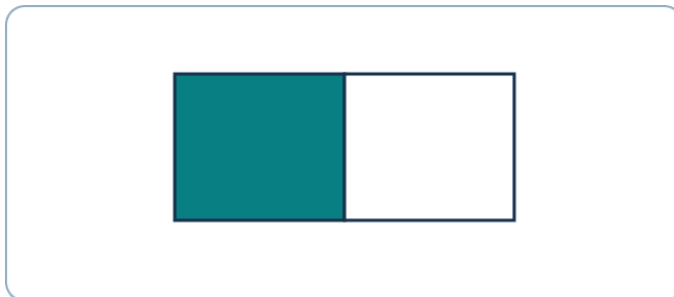


- A. 8
C. 5
- B. 3
D. 11

16. A number line has 68, 69, 70, 71. Which number comes just before 70?

- A. 71
C. 69
- B. 60
D. 79

17. The shape is divided into two equal parts. What part is shaded?



- A. one fourth
C. none of it
- B. all of it
D. one half

18. There are 9 birds in a tree. Seven more birds land in the tree. How many birds are in the tree now?

- A. 16
- B. 17
- C. 2
- D. 15

19. A child counts nickels: 5, 10, 15, _____. What number comes next?

- A. 25
- B. 30
- C. 20
- D. 16

20. A game board has 34 blue spaces and 5 green spaces. How many blue and green spaces are there?

- A. 35
- B. 29
- C. 84
- D. 39

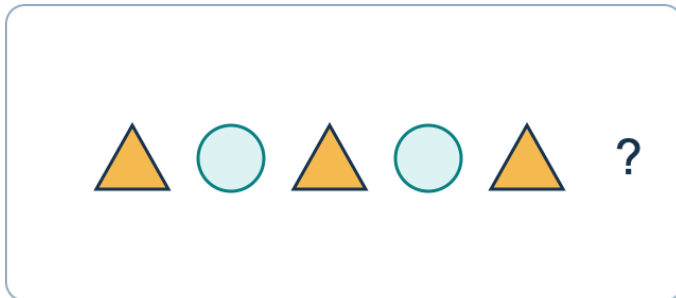
21. Which shape has exactly three sides and three corners?

- A. circle
- B. rectangle
- C. square
- D. triangle

22. Twelve ducks are at a pond. Five swim behind the reeds. How many ducks can still be seen?

- A. 8
- B. 7
- C. 17
- D. 5

23. The pattern repeats. Which shape should come next?



- A. rectangle
- B. triangle
- C. square
- D. circle

24. Mina has 6 stickers. Jay has 3 more stickers than Mina. How many stickers does Jay have?

- A. 6
- B. 10
- C. 9
- D. 3

Answer key and explanations

1. **A — 46** There are four tens, which make 40, and six ones. $40 + 6 = 46$.
2. **B — 9** This is a take-away problem: $13 - 4 = 9$.
3. **B — 72** 72 and 70 both have 7 tens. Since 72 has 2 ones and 70 has 0 ones, 72 is greater.
4. **A — 5** Count on from 8 to 13: 9, 10, 11, 12, 13. That is 5 more.
5. **B — ruler** A ruler measures the length of a small object such as a pencil.
6. **C — 50** Each number is 10 more than the number before it. $40 + 10 = 50$.
7. **B — 3:30** The minute hand points to 6, so it is 30 minutes after the hour. The hour hand is between 3 and 4, so the time is 3:30.
8. **B — 8** There are 4 dots in the first row and 4 dots in the second row. $4 + 4 = 8$.
9. **D — 5** The coins show 15 cents. After spending 10 cents, $15 - 10 = 5$ cents remain.
10. **A — 9** Subtract the books checked out: $17 - 8 = 9$.
11. **C — 54** Five tens are 50 and four ones are 4. $50 + 4 = 54$.
12. **A — 5** Box A has 14 balls and Box B has 9 balls. $14 - 9 = 5$.
13. **A — 5** Sharing 10 into 2 equal groups gives 5 in each group.
14. **D — 33** Adding 10 to 23 increases the tens by 1: $23 + 10 = 33$.
15. **C — 5** Compare the two lengths by subtracting: $8 - 3 = 5$ cubes.
16. **C — 69** The number immediately before 70 is 69.
17. **D — one half** One of the two equal parts is shaded, so the shaded part is one half.
18. **A — 16** Add the birds already there and the birds that land: $9 + 7 = 16$.
19. **C — 20** Counting by fives means adding 5 each time. $15 + 5 = 20$.
20. **D — 39** Add the two groups: $34 + 5 = 39$.
21. **D — triangle** A triangle has three sides and three corners.
22. **B — 7** Subtract the ducks that cannot be seen: $12 - 5 = 7$.
23. **D — circle** The shapes repeat triangle, circle, triangle, circle. After the last triangle, a circle comes next.
24. **C — 9** Jay has 3 more than Mina, so add 3 to 6. $6 + 3 = 9$.

Retake review. Before trying a second form, practice these skills: read picture models carefully, count on and count back, compare tens and ones, use subtraction to find “how many more,” and check that a word problem asks for the amount left, the total, or the difference. On a retake, circle any item that needs a second look and return to it after answering the easier questions.

Quick skill map: Number sense and place value: 1, 3, 4, 6, 11, 16, 19. Operations and word problems: 2, 10, 13, 14, 18, 20, 22, 24. Measurement, money, time, data, geometry, and fractions: 5, 7, 8, 9, 12, 15, 17, 21, 23.