

ISEE Primary 4 Mathematics Practice Test

28 questions | 30 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.

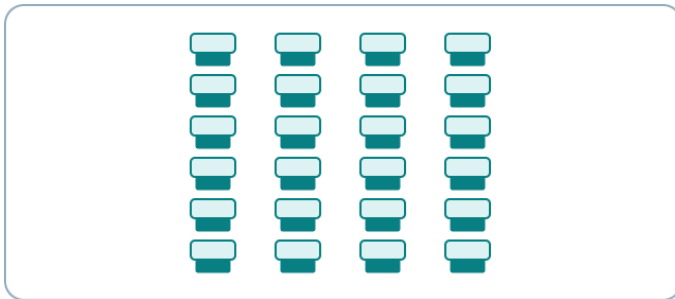
Name: _____

Date: _____

1. Which number has 5 hundreds, 0 tens, and 8 ones?

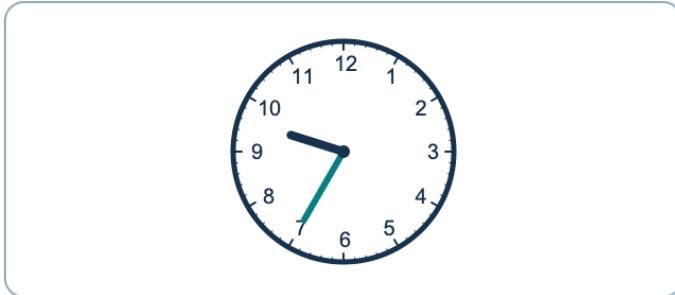
- A. 508 B. 580
C. 58 D. 5008

2. How many chairs are in the rows shown?



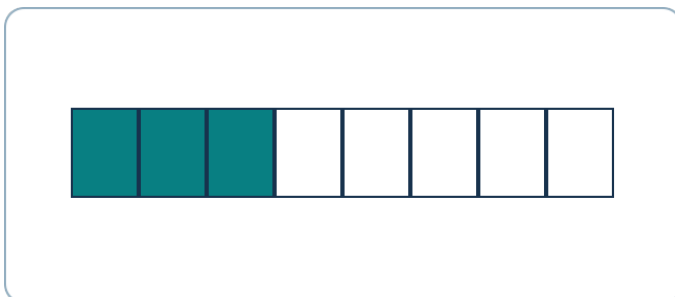
- A. 20 B. 10
C. 28 D. 24

3. The lesson starts at the time shown and lasts 45 minutes. When does it end?



- A. 10:20 B. 10:30
C. 9:20 D. 10:10

4. What fraction of the strip is shaded?



- A. $\frac{1}{3}$ B. $\frac{3}{8}$
C. $\frac{5}{8}$ D. $\frac{3}{5}$

5. What is $468 + 257$?

- A. 715
C. 615
B. 725
D. 825

6. How many fewer votes did green receive than blue?

Favorite color	Votes
Blue	8
Green	5
Red	7

- A. 5
C. 3
B. 13
D. 2

7. Twenty-eight seeds are put equally into 4 bags. How many seeds go in each bag?

- A. 6
C. 8
B. 24
D. 7

8. The rectangle shown is 8 units long and 3 units wide. What is its perimeter?



- A. 24 units
C. 22 units
B. 11 units
D. 16 units

9. Round 1,648 to the nearest hundred.

- A. 1,500
C. 1,600
B. 1,650
D. 1,700

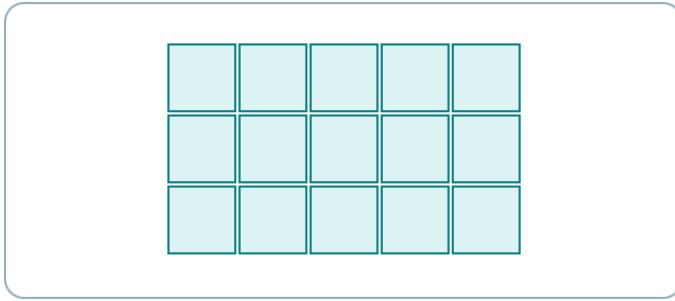
10. Which fraction is equal to one half?

- A. $\frac{2}{6}$
C. $\frac{4}{6}$
B. $\frac{3}{8}$
D. $\frac{3}{6}$

11. A museum sold 304 tickets. It had 475 tickets to start. How many are left?

- A. 169
C. 779
B. 179
D. 171

12. What is the area of this rectangle?



- A. 8 square units
- B. 15 square units
- C. 16 square units
- D. 30 square units

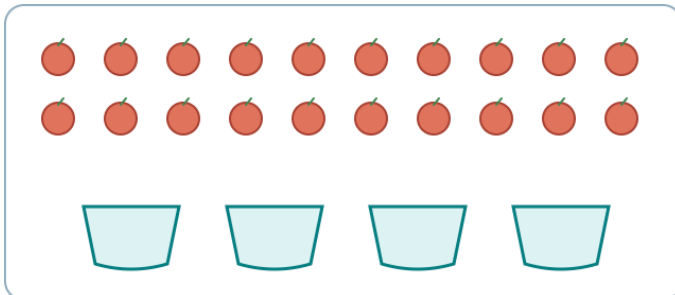
13. A pattern follows 4, 8, 12, 16, What is the seventh number?

- | | |
|-------|-------|
| A. 32 | B. 24 |
| C. 20 | D. 28 |

14. A child buys 3 pencils for 25 cents each. How many cents does the child spend?

- | | |
|-------|--------|
| A. 75 | B. 100 |
| C. 28 | D. 50 |

15. The apples shown are shared equally among four baskets. How many apples go in each basket?



- | | |
|-------|-------|
| A. 10 | B. 4 |
| C. 5 | D. 16 |

16. What is 7×8 ?

- | | |
|-------|-------|
| A. 15 | B. 54 |
| C. 64 | D. 56 |

17. A ribbon is 2 meters long. How many centimeters long is it? (1 meter = 100 centimeters)

- A. 100 centimeters
- B. 200 centimeters
- C. 20 centimeters
- D. 1,000 centimeters

18. How many votes did blue and red receive altogether?

Favorite color	Votes
Blue	8
Green	5
Red	7

- A. 20
C. 15
- B. 13
D. 8

19. Which number makes $9 \times \underline{\hspace{1cm}} = 63$ true?

- A. 54
C. 7
- B. 6
D. 8

20. A train leaves at 11:50 a.m. and arrives at 12:15 p.m. How many minutes is the trip?

- A. 25 minutes
C. 65 minutes
- B. 35 minutes
D. 15 minutes

21. Which point is halfway between 300 and 400?

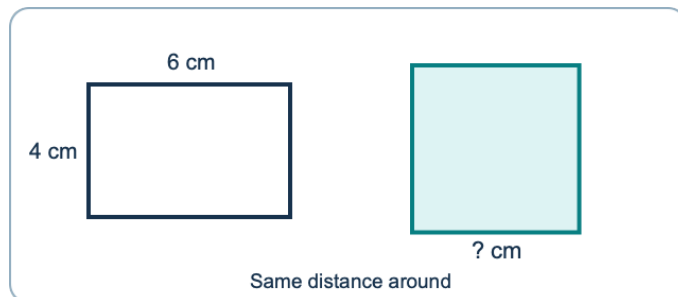


- A. 450
C. 340
- B. 350
D. 305

22. There are 5 boxes with 6 markers each. Nine markers are used. How many unused markers remain?

- A. 21
C. 11
- B. 39
D. 24

23. The rectangle and square shown have the same perimeter. How long is each side of the square?



- A. 4 cm
C. 5 cm
- B. 10 cm
D. 6 cm

24. What is $\frac{2}{3}$ of 18?

- | | |
|-------|-------|
| A. 15 | B. 12 |
| C. 9 | D. 6 |

25. What is $902 - 458$?

- | | |
|--------|--------|
| A. 444 | B. 554 |
| C. 544 | D. 454 |

26. A square garden has sides 6 meters long. What is its area?

- A. 24 square meters
- B. 12 square meters
- C. 30 square meters
- D. 36 square meters

27. A baker makes 48 muffins and puts 6 muffins in each box. How many boxes are filled?

- | | |
|-------|------|
| A. 42 | B. 8 |
| C. 7 | D. 6 |

28. One box holds 6 bags with 4 marbles in each. Another holds 3 bags with 4 marbles in each. How many more marbles are in the first box?

- | | |
|-------|-------|
| A. 12 | B. 24 |
| C. 3 | D. 36 |

Answer key and explanations

1. **A — 508** Five hundreds and eight ones make 508.
2. **D — 24** There are six rows with four chairs in each: $6 \times 4 = 24$.
3. **A — 10:20** The clock shows 9:35. From 9:35 to 10:00 is 25 minutes. Twenty more minutes ends at 10:20.
4. **B — $\frac{3}{8}$** Three of the eight equal parts are shaded, so $\frac{3}{8}$ is shaded.
5. **B — 725** Add ones, tens, and hundreds with regrouping: $468 + 257 = 725$.
6. **C — 3** Blue has 8 votes and green has 5. The difference is $8 - 5 = 3$.
7. **D — 7** Since $4 \times 7 = 28$, each bag gets 7 seeds.
8. **C — 22 units** Add all four sides: $8 + 3 + 8 + 3 = 22$ units.
9. **C — 1,600** The tens digit is 4, so 1,648 rounds down to 1,600.
10. **D — $\frac{3}{6}$** Three of six equal parts is the same amount as one of two equal parts.
11. **D — 171** Subtract tickets sold from tickets at the start: $475 - 304 = 171$.
12. **B — 15 square units** There are 3 rows of 5 unit squares: $3 \times 5 = 15$ square units.
13. **D — 28** The pattern adds 4 each time. Terms five, six, and seven are 20, 24, 28.
14. **A — 75** Three groups of 25 cents make $25 + 25 + 25 = 75$ cents.
15. **C — 5** There are 20 apples. Split them into four equal groups: $20 \div 4 = 5$.
16. **D — 56** Seven groups of eight make 56.
17. **B — 200 centimeters** Each meter is 100 centimeters, so 2 meters is 200 centimeters.
18. **C — 15** Add the two entries in the table: $8 + 7 = 15$ votes.
19. **C — 7** Since $63 \div 9 = 7$, the missing factor is 7.
20. **A — 25 minutes** Ten minutes pass before noon and fifteen after noon: 25 minutes total.
21. **B — 350** Half of the 100-step gap is 50, so $300 + 50 = 350$.
22. **A — 21** Five boxes hold $5 \times 6 = 30$ markers. Subtract 9 used markers to get 21.
23. **C — 5 cm** The rectangle has perimeter $6 + 4 + 6 + 4 = 20$ cm. Each side of the square is $20 \div 4 = 5$ cm.
24. **B — 12** One third of 18 is 6. Two thirds is $6 + 6 = 12$.
25. **A — 444** Regroup across the zero: $902 - 458 = 444$.
26. **D — 36 square meters** Area is length times width: $6 \times 6 = 36$ square meters.
27. **B — 8** Divide 48 muffins into groups of 6: $48 \div 6 = 8$ boxes.
28. **A — 12** The first box has 24 marbles, and the second has 12. The difference is 12 marbles.

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.