

ISEE Primary 3 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: _____

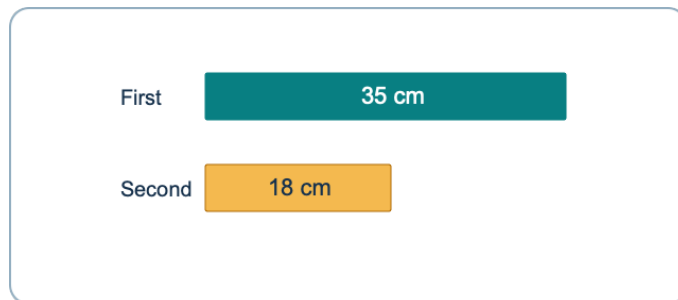
1. In the number 608, what is the value of the 6?

- A. 6 tens
- B. 60 hundreds
- C. 6 hundreds
- D. 6 ones

2. A class has 47 blue counters and 28 red counters. How many counters does the class have in all?

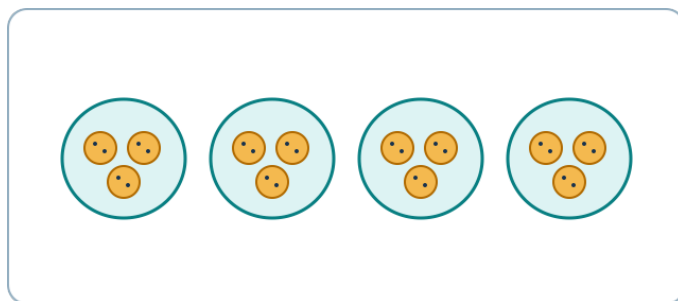
- A. 65
- B. 85
- C. 74
- D. 75

3. The ribbons shown measure 35 centimeters and 18 centimeters. How much longer is the longer ribbon?



- A. 53 centimeters
- B. 23 centimeters
- C. 17 centimeters
- D. 13 centimeters

4. There are 4 plates with the same number of cookies on each plate. How many cookies are shown in all?



- A. 7
- B. 12
- C. 9
- D. 16

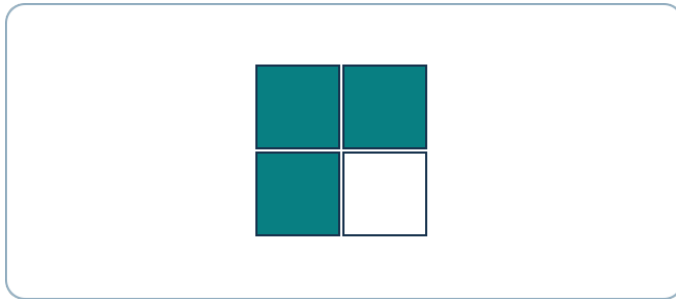
5. A number line shows 389, ____, 391. Which number belongs in the blank?

- A. 380
- B. 392
- C. 400
- D. 390

6. A reading group starts at 2:45 and lasts 20 minutes. What time does it end?

- A. 3:05
B. 3:15
C. 2:55
D. 3:25

7. The grid has 4 equal squares. What fraction of the squares is shaded?



- A. $\frac{4}{3}$
B. $\frac{1}{4}$
C. $\frac{2}{4}$
D. $\frac{3}{4}$

8. A box has 104 paper clips. A student uses 37 of them. How many paper clips are left?

- A. 67
B. 77
C. 73
D. 141

9. A notebook costs 65 cents. How much change should a shopper get from 1 dollar?

- A. 35 cents
B. 65 cents
C. 25 cents
D. 45 cents

10. Use the table. How many more children chose dogs than fish?

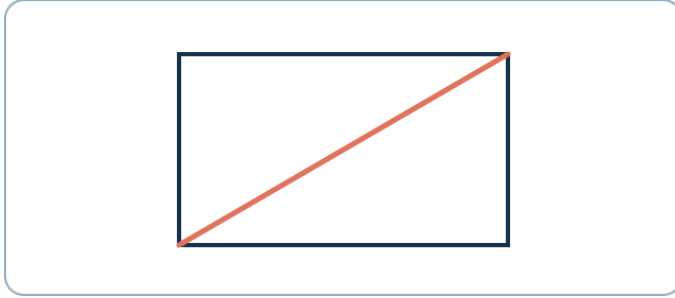
Favorite pet	Children
Dogs	7
Cats	5
Fish	3

- A. 10
B. 6
C. 4
D. 2

11. The pattern is 18, 21, 24, ____, 30. What number is missing?

- A. 26
B. 25
C. 27
D. 28

12. The rectangle is cut along the line shown. How many triangles are made?



- A. 3
C. 1

- B. 2
D. 4

13. A class has 18 red pencils and 7 blue pencils. Five pencils are broken. How many unbroken pencils are there?

- A. 20
C. 30

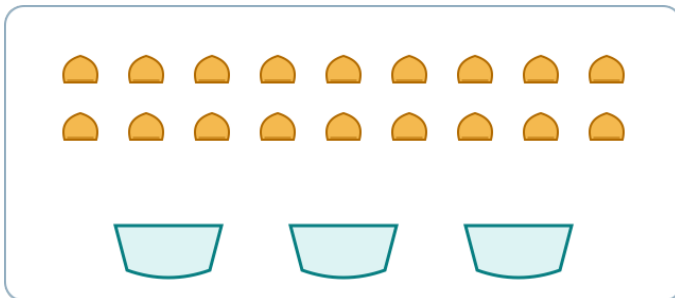
- B. 25
D. 15

14. A number has 3 hundreds, 4 tens, and 6 ones. What is the number?

- A. 346
C. 3046

- B. 3406
D. 364

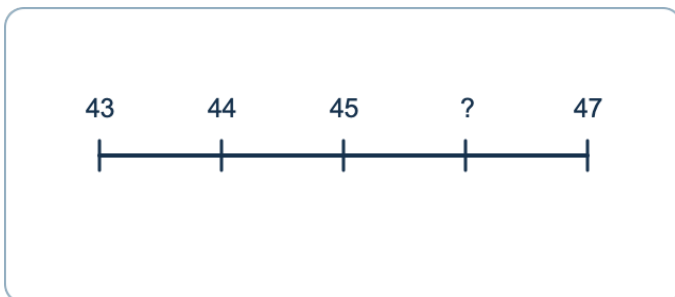
15. The shells shown are shared equally among 3 friends. How many shells does each friend get?



- A. 15
C. 3

- B. 6
D. 9

16. The number line increases by 1 each step. Which number belongs at the question mark?



- A. 44
C. 46

- B. 47
D. 45

17. A book has 76 pages. Which ten is 76 closest to?

- A. 90
C. 70

- B. 80
D. 60

18. A library has 126 picture books and receives 42 more. How many picture books does it have now?

- A. 164
B. 158
C. 168
D. 178

19. Use the table. How many children chose cats or fish?

Favorite pet	Children
Dogs	7
Cats	5
Fish	3

- A. 15
B. 2
C. 5
D. 8

20. A paper strip is split into 4 equal parts. Two parts are colored. What fraction of the strip is colored?

- A. $\frac{2}{4}$
B. $\frac{4}{2}$
C. $\frac{2}{2}$
D. $\frac{1}{4}$

21. A game begins at 4:10 and ends at 4:40. How long does the game last?

- A. 50 minutes
B. 30 minutes
C. 40 minutes
D. 20 minutes

22. A jar has 82 beads. A child takes out 46 beads. How many beads are still in the jar?

- A. 46
B. 44
C. 34
D. 36

23. The rectangle shown is 6 units long and 4 units wide. What is the distance around it?



- A. 16 units
B. 24 units
C. 10 units
D. 20 units

24. A pattern is 7, 14, 21, 28, _____. What comes next?

- A. 29
B. 35
C. 32
D. 42

Answer key and explanations

1. **C — 6 hundreds** The 6 is in the hundreds place, so it means 600.
2. **D — 75** Add ones: $7 + 8 = 15$. Regroup 1 ten, then add the tens to get 75.
3. **C — 17 centimeters** Subtract the shorter length from the longer length: $35 - 18 = 17$ centimeters.
4. **B — 12** Each of the 4 plates has 3 cookies, so $3 + 3 + 3 + 3 = 12$.
5. **D — 390** Counting forward gives 389, 390, 391.
6. **A — 3:05** Fifteen minutes after 2:45 is 3:00; five more minutes is 3:05.
7. **D — $\frac{3}{4}$** Three of four equal squares are shaded, so the fraction is $\frac{3}{4}$.
8. **A — 67** Regroup to subtract 37 from 104; the difference is 67.
9. **A — 35 cents** One dollar is 100 cents. $100 - 65 = 35$ cents.
10. **C — 4** The table shows 7 for dogs and 3 for fish. The difference is $7 - 3 = 4$.
11. **C — 27** Each number is 3 more than the one before it. $24 + 3 = 27$.
12. **B — 2** A diagonal from one corner of a rectangle to the opposite corner splits it into two triangles.
13. **A — 20** First add $18 + 7 = 25$ pencils. Then subtract 5 broken pencils: 20 remain.
14. **A — 346** The hundreds, tens, and ones are 3, 4, and 6, so the number is 346.
15. **B — 6** There are 18 shells. Split them into three equal groups: $18 \div 3 = 6$.
16. **C — 46** The marks increase by one: 43, 44, 45, 46, 47.
17. **B — 80** 76 is 4 away from 80 and 6 away from 70, so it is closer to 80.
18. **C — 168** Add $126 + 42 = 168$ books.
19. **D — 8** Add the cat and fish counts: $5 + 3 = 8$ children.
20. **A — $\frac{2}{4}$** Two of the four equal parts are colored, so $\frac{2}{4}$ is colored.
21. **B — 30 minutes** Count from 4:10 to 4:40: 30 minutes pass.
22. **D — 36** Regroup 82 as 7 tens and 12 ones. Subtract to get 36.
23. **D — 20 units** Add the four side lengths: $6 + 4 + 6 + 4 = 20$ units.
24. **B — 35** The pattern adds 7 each time: $28 + 7 = 35$.

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.