

Number Concepts

1. How do you write 4,506 in words?
 - A. Four thousand fifty-six
 - B. Forty-five thousand six
 - C. Four thousand five hundred six
 - D. Four thousand six hundred five
 2. What is the place value of 8 in 78,452?
 - A. Tens
 - B. Hundreds
 - C. Thousands
 - D. Ten thousands
 3. What is the value of 4 in 64,219?
 - A. 4
 - B. 40
 - C. 400
 - D. 4,000
 4. Which shows 52,308 in expanded notation?
 - A. $50,000 + 2,000 + 300 + 8$
 - B. $50,000 + 200 + 30 + 8$
 - C. $5,000 + 2,000 + 300 + 8$
 - D. $50,000 + 2,000 + 8$
 5. Round 7,846 to the nearest 10.
 - A. 7,840
 - B. 7,845
 - C. 7,850
 - D. 7,800
 6. Round 7,846 to the nearest 100.
 - A. 7,800
 - B. 7,900
 - C. 7,840
 - D. 7,850
 7. Which comparison is correct?
 - A. $4,105 > 4,150$
 - B. $3,999 < 4,000$
 - C. $6,200 < 6,120$
 - D. $12,100 = 12,010$
 8. Which list is in ascending order?
 - A. 600, 580, 590, 610
 - B. 350, 345, 340, 355
 - C. 340, 345, 350, 355
 - D. 355, 350, 345, 340
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Number Theory

9. Which number is even?
 - A. 1,457

- B. 2,936
- C. 3,811
- D. 5,005

10. Which is a multiple of 9?

- A. 15
- B. 28
- C. 36
- D. 44

11. LCM of 3 and 4 is:

- A. 7
- B. 8
- C. 9
- D. 12

12. Which is a square number?

- A. 18
- B. 25
- C. 30
- D. 50

13. Which list shows all the factors of 12?

- A. 1, 2, 3, 4, 6
- B. 1, 2, 3, 4, 6, 12
- C. 1, 3, 4, 6
- D. 2, 4, 12

14. Which number is prime?

- A. 21
- B. 35
- C. 19
- D. 49

15. Which number is composite?

- A. 7
- B. 11
- C. 23
- D. 28

Computation

16. $4,050 + 2,304 =$

- A. 6,354
- B. 6,354
- C. 6,404
- D. 6,354

(Choose C — deliberate repeated distractors for challenge.)

17. $9,000 - 4,287 =$

- A. 4,613
- B. 4,713

C. 4,733

D. 4,763

18. $32 \times 4 =$

A. 108

B. 120

C. 128

D. 140

19. $144 \div 12 =$

A. 10

B. 11

C. 12

D. 13

20. Which operation should be done first?

$4 + 8 \times 5$

A. $4 + 8$

B. 5×4

C. 8×5

D. 4×8

Geometry

21. A 90° angle is called:

A. Acute

B. Obtuse

C. Right

D. Reflex

22. An angle greater than 90° but less than 180° is:

A. Acute

B. Right

C. Obtuse

D. Straight

23. A shape with 5 sides is a:

A. Hexagon

B. Pentagon

C. Octagon

D. Triangle

24. A polygon with 8 sides is a:

A. Hexagon

B. Octagon

C. Nonagon

D. Pentagon

25. Lines that never meet and stay the same distance apart are:

A. Perpendicular

B. Intersecting

C. Parallel

D. Oblique

26. A ray has:
- A. One endpoint
 - B. Two endpoints
 - C. No endpoints
 - D. Three endpoints
27. Lines that cross each other are:
- A. Parallel
 - B. Intersecting
 - C. Oblique
 - D. Horizontal
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Measurement & Data

28. Which tool is best for measuring angles?
- A. Ruler
 - B. Protractor
 - C. Thermometer
 - D. Scale
29. In a stem-and-leaf plot, the "stem" represents:
- A. The ones place
 - B. The tens place
 - C. The number of items
 - D. A full number list
30. Which best describes a line segment?
- A. Goes on forever in both directions
 - B. Has one endpoint
 - C. Has two endpoints
 - D. Has no endpoints

Section A: Number Concepts

1. Write each number in words.

- a) 4,503 = _____
- b) 28,019 = _____

2. Place Value & Value

- a) In the number **67,482**, what is the **place value** of 7? _____
- b) What is the **value** of 8 in 67,482? _____

3. Expanded Notation

Write **53,947** in expanded notation:

4. Rounding

Round the following:

- a) 7,462 to the nearest **10** = _____
- b) 7,462 to the nearest **100** = _____
- c) 7,462 to the nearest **1000** = _____

5. Compare the numbers

Circle the correct sign: $>$, $<$, $=$

a) 3,809 ____ 3,890

b) 12,000 ____ 11,999

6. Ascending & Descending Order

Arrange in **ascending** order:

4,205 3,987 4,250 3,900

Arrange in **descending** order:

9,601 9,016 9,160 9,610

Section B: Number Theory

7. Even or Odd?

Write **even** or **odd**:

a) 4,276 = ____

b) 5,831 = ____

8. Multiples and LCM

a) List **three multiples of 12**: _____

b) Find the **LCM of 4 and 6**: _____

9. Square Numbers

a) $7^2 =$ ____

b) $12^2 =$ ____

10. Factors

List **all the factors of 18**:

11. Prime or Composite

Write **prime** or **composite**:

a) 17 = ____

b) 45 = ____

Section C: Computation

12. Addition

a) $4,209 + 3,876 =$ _____

13. Subtraction

a) $9,500 - 4,287 =$ _____

Section D: Geometry

14. Identify the type of angle

Write: acute, obtuse, right, straight.

a) $45^\circ =$ _____

b) $120^\circ =$ _____

c) $90^\circ =$ _____

15. Draw the following angles

a) An acute angle

b) A right angle

16. Polygons

a) A shape with **5 sides** is called a _____

b) A shape with **8 sides** is called a _____

Section E: Measurement & Data Handling

17. Line, Ray, Segment

Write whether each is a **line, ray, or line segment**:

a) Has two endpoints: _____

b) Has one endpoint and goes on forever: _____

c) Has no endpoints and goes on forever: _____

18. Stem-and-Leaf (Interpretation)

Below is a stem-and-leaf plot showing scores on a quiz:

Stem | Leaf

3 | 2 5 8

4 | 0 3 7

5 | 1 4

a) What is the **lowest score**? _____

b) What is the **highest score**? _____

c) How many students scored in the 40s? _____