

Name: _____ Class: _____ Date: _____

Work through each section in order. Show your working where it helps – there's no rush!

Section A – Ordering & Comparing

Read each set of numbers carefully before you decide on an order.

1. Arrange these numbers in **ascending** order (smallest to largest): 482, 79, 3050, 156, 27
2. Arrange these numbers in **descending** order (largest to smallest): 9001, 899, 9100, 890, 9010
3. Write < or > in each gap:
a) 3,472 _____ 3,427 b) 60,000 _____ 59,999 c) 128 _____ 182

Section B – Digit Detective

Use the clues to work out the mystery number. Show your reasoning if you can.

4. I am a 3-digit number. My digits add up to 9. My tens digit is double my hundreds digit. My units digit is 0. What number am I?
5. I am the **smallest** 4-digit number you can make using the digits 5, 0, 8 and 2 – each digit used exactly once. What number am I?
6. I am the **largest** 4-digit *even* number you can make using the digits 7, 3, 9 and 4 – each digit used exactly once. What number am I?

Section C – Real-World Number Sense

7. A stadium holds 45,000 people. If 38,726 tickets are sold for tonight's match, how many seats remain empty?
8. Round 47,382 to: a) the nearest thousand b) the nearest hundred c) the nearest ten
9. Write 30,506 in expanded form (e.g. $4,213 = 4,000 + 200 + 10 + 3$).
10. What number is 1,000 more than 27,499?

Section D – Pattern Patrol

Work out the rule, then continue each pattern.

11. 4, 9, 14, 19, _____, _____, _____
12. 2, 6, 18, 54, _____, _____
13. 100, 91, 82, 73, _____, _____

Section E – Word Problems

14. A baker sells 128 cupcakes on Monday, 156 on Tuesday and 203 on Wednesday. How many cupcakes were sold in total over the three days?

15. Sara has \$340 saved. She wants a bike that costs \$875. How much more does she need to save?

16. A library has 12,480 books arranged equally across 8 shelves. How many books are on each shelf?

Section F – True or False

Circle True or False for each statement.

17. 999 is a 3-digit number. **True / False**

18. 0 is a positive integer. **True / False**

19. 5,280 is greater than 5,208. **True / False**

20. Every positive integer has another positive integer that comes right before it. **True / False**

Answer Key

1. 27, 79, 156, 482, 3050
2. 9100, 9010, 9001, 899, 890
3. a) $3,472 > 3,427$ b) $60,000 > 59,999$ c) $128 < 182$
4. 360 ($3 + 6 + 0 = 9$; tens 6 = double hundreds 3)
5. 2058
6. 9734
7. $45,000 - 38,726 = 6,274$ empty seats
8. a) 47,000 b) 47,400 c) 47,380
9. $30,000 + 500 + 6$
10. 28,499
11. 24, 29, 34 (add 5 each time)
12. 162, 486 (multiply by 3 each time)
13. 64, 55 (subtract 9 each time)
14. $128 + 156 + 203 = 487$ cupcakes
15. $875 - 340 = \$535$
16. $12,480 \div 8 = 1,560$ books per shelf
17. True
18. False – 0 is neither positive nor negative
19. True
20. False – 1 is the smallest positive integer, so nothing positive comes before it