3.20 Number Codes: Test Pack

about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

In this test, each question shows how a word is turned into a number code, usually by giving one or two example words together with their codes. Work out the rule connecting the letters and the numbers, then apply exactly the same rule to answer the question. The rule may be a simple position in the alphabet (A=1, B=2, up to Z=26), the position with a number added or subtracted, the position doubled, or the position counted from the end of the alphabet instead (Z=1, Y=2, and so on). Some questions give you a word and ask for its code; others give you a code and ask you to work out the word. Choose the one option, A to E, that is correct. Study the worked example above before you begin.

Worked example. If the code for CAT is 3-1-20, what is the code for DOG? **Answer: 4-15-7.** Each letter is replaced by its position in the alphabet, counting A=1, B=2, C=3, and so on up to Z=26. So C=3, A=1, T=20, giving CAT the code 3-1-20. Using the same rule, D=4, O=15, G=7, so DOG has the code 4-15-7.

1 If the code for CAT is 3-1-20, what is the code for DOG?

- ☐ A) 4-14-7
- ☐ B) 4-15-7
- ☐ C) 4-16-7
- ☐ D) 7-15-4
- ☐ E) 4-15-8

---

2 In a code, the word SITE is written 21-11-22-7. What is the code for YARD?

- ☐ A) 27-3-20-5
- ☐ B) 30-6-23-9
- ☐ C) 75-3-54-12
- ☐ D) 27-3-20-7
- ☐ E) 27-3-20-6

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3 In a code, the word WIPE is written 26-12-19-8. What is the code for SLED?

- [ ] A) 20-13-6-5
- [ ] B) 21-14-7-6
- [ ] C) 22-15-8-7
- [ ] D) 7-8-15-22
- [ ] E) 57-36-15-12

---

4 In this code, each letter's alphabet position has 4 added to it. Using this rule, the code for MILK is 17-13-16-15. What is the code for BIRD?

- [ ] A) 2-9-18-4
- [ ] B) 6-13-23-8
- [ ] C) 6-13-22-8
- [ ] D) 8-22-13-6
- [ ] E) 6-13-22-12

---

5 In a code, the word PASTA is written 32-2-38-40-2. What is the code for YES?

- [ ] A) 22-2-16
- [ ] B) 28-8-22
- [ ] C) 26-6-20
- [ ] D) 50-10-38
- [ ] E) 23-3-17

---

6 In a code, the word SHED is written 38-16-10-8. What is the code for SWELL?

- [ ] A) 17-21-3-10-10
- [ ] B) 38-46-10-24-24
- [ ] C) 8-4-22-15-15
- [ ] D) 57-69-15-36-36
- [ ] E) 22-26-8-15-15

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7 In a code, the word SNIFF is written 8-13-18-21-21. Which word does the code 22-5-22-9 stand for?

- ☐ A) FLEA
- ☐ B) EVER
- ☐ C) DEEP
- ☐ D) FLEW
- ☐ E) DOOR

---

8 In a code, the word RAVEN is written 9-26-5-22-13. What is the code for ALONE?

- ☐ A) 2-24-30-28-10
- ☐ B) 26-15-13-13-22
- ☐ C) 1-12-15-14-5
- ☐ D) 26-15-12-13-22
- ☐ E) 4-15-18-17-8

---

9 In a code, the word UGLY is written 23-9-14-27. Which word does the code 11-6-14-7 stand for?

- ☐ A) FOLD
- ☐ B) JULY
- ☐ C) IDLE
- ☐ D) TALK
- ☐ E) CARE

---

10 In a code, the word SNAIL is written 20-15-2-10-13. What is the code for TRASH?

- ☐ A) 21-19-2-20-9
- ☐ B) 7-9-26-8-19
- ☐ C) 25-23-6-24-13
- ☐ D) 60-54-3-57-24
- ☐ E) 22-20-3-21-10

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11 In a code, the word NEWLY is written 16-7-25-14-27. What is the code for CAROL?

- [ ] A) 5-3-20-17-14
- [ ] B) 6-2-36-30-24
- [ ] C) 9-3-54-45-36
- [ ] D) 5-2-20-17-14
- [ ] E) 7-5-22-19-16

---

12 In a code, the word TOWEL is written 18-13-21-3-10. Which word does the code 13-19-18 stand for?

- [ ] A) MAP
- [ ] B) OUT
- [ ] C) WIN
- [ ] D) TIE
- [ ] E) FOX

---

13 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example RING = 18-9-14-7, which word does the code 19-20-15-14-5 represent?

- [ ] A) ATONE
- [ ] B) STONE
- [ ] C) SCONE
- [ ] D) STORE
- [ ] E) STONY

---

14 In a code, the word WAKE is written 26-4-14-8. What is the code for BAGEL?

- [ ] A) 6-3-21-15-36
- [ ] B) 25-26-20-22-15
- [ ] C) 2-1-7-5-12
- [ ] D) 4-2-14-10-24
- [ ] E) 5-4-10-8-15

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15 In a code, the word VOICE is written 27-20-14-8-10. Which word does the code 8-20-27-10-23 stand for?

- ☐ A) TOWEL
- ☐ B) COURT
- ☐ C) AMBER
- ☐ D) OWNER
- ☐ E) COVER

---

16 In a code, the word THIEF is written 60-24-27-15-18. What is the code for THE?

- ☐ A) 23-11-8
- ☐ B) 21-9-6
- ☐ C) 24-12-9
- ☐ D) 60-24-15
- ☐ E) 18-6-3

---

17 In a code, the word NAIL is written 17-4-12-15. Which word does the code 7-18-15-15-22 stand for?

- ☐ A) MOULD
- ☐ B) DOORS
- ☐ C) DOUBT
- ☐ D) DOLLS
- ☐ E) SOLID

---

18 In a code, the word CLIP is written 3-12-9-16. Which word does the code 19-12-5-4 stand for?

- ☐ A) SLED
- ☐ B) HAND
- ☐ C) SAME
- ☐ D) CLAW
- ☐ E) SEAL

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19 In a code, the word TEASE is written 22-7-3-21-7. What is the code for QUACK?

- [ ] A) 22-26-6-8-16
- [ ] B) 34-42-2-6-22
- [ ] C) 10-6-26-24-16
- [ ] D) 19-23-3-5-13
- [ ] E) 51-63-3-9-33

---

20 In a code, the word CARD is written 6-2-36-8. What is the code for WAND?

- [ ] A) 4-26-13-23
- [ ] B) 26-4-17-7
- [ ] C) 46-2-29-8
- [ ] D) 46-2-28-8
- [ ] E) 46-2-27-8

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21 In a code, the word MOAT is written 26-30-2-40. What is the code for RIB?

- [ ] A) 22-13-6
- [ ] B) 19-10-3
- [ ] C) 36-18-4
- [ ] D) 23-14-7
- [ ] E) 18-9-2

---

22 If DOG = 7-18-10 and CAT = 6-4-23, using the same rule for both words, what is the code for FOX?

- [ ] A) 6-15-24
- [ ] B) 9-19-27
- [ ] C) 9-18-24
- [ ] D) 9-18-27
- [ ] E) 27-18-9

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23 In a code, the word ARISE is written 3-54-27-57-15. What is the code for HATCH?

- ☐ A) 11-4-23-6-11
- ☐ B) 9-2-21-4-9
- ☐ C) 24-3-60-9-24
- ☐ D) 8-1-20-3-8
- ☐ E) 24-9-60-3-24

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24 If PLUM = 14-10-19-11 and ROSE = 16-13-17-3, using the same rule for both words, what is the code for STORM?

- ☐ A) 17-18-13-16-11
- ☐ B) 19-20-15-18-13
- ☐ C) 17-18-14-16-11
- ☐ D) 11-16-13-18-17
- ☐ E) 17-18-13-16-9

---

25 In a code, the word THIN is written 24-12-13-18. What is the code for DEAR?

- ☐ A) 23-22-26-9
- ☐ B) 7-8-4-21
- ☐ C) 6-7-3-20
- ☐ D) 9-10-6-23
- ☐ E) 8-9-5-22

---

26 In a code, the word EVENT is written 4-21-4-13-19. What is the code for POINT?

- ☐ A) 21-20-14-19-25
- ☐ B) 15-14-8-13-19
- ☐ C) 13-12-6-11-17
- ☐ D) 48-45-27-42-60
- ☐ E) 32-30-18-28-40

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27 In a code, the word ICY is written 18-6-50. What is the code for PET?

- [ ] A) 48-15-60
- [ ] B) 31-10-40
- [ ] C) 17-6-21
- [ ] D) 20-9-24
- [ ] E) 32-10-40

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28 In a code, the word ALOUD is written 2-13-16-22-5. What is the code for INDEX?

- [ ] A) 27-42-12-15-72
- [ ] B) 18-28-8-10-48
- [ ] C) 8-13-3-4-23
- [ ] D) 25-6-5-15-10
- [ ] E) 10-15-5-6-25

---

29 In a code, the word DEEP is written 7-8-8-19. Which word does the code 9-18-8 stand for?

- [ ] A) BIG
- [ ] B) SAD
- [ ] C) LAD
- [ ] D) GNU
- [ ] E) FOE

---

30 In a code, the word LASER is written 13-2-20-6-19. What is the code for MOVIE?

- [ ] A) 14-12-5-18-22
- [ ] B) 10-12-19-6-2
- [ ] C) 14-16-23-10-6
- [ ] D) 26-30-44-18-10
- [ ] E) 13-15-22-9-5

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31 In a code, the word KID is written 16-14-9. What is the code for AND?

- [ ] A) 6-19-9
- [ ] B) 9-19-6
- [ ] C) 3-42-12
- [ ] D) 4-17-7
- [ ] E) 3-16-6

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32 In a code, the word SHOE is written 8-19-12-22. What is the code for COG?

- [ ] A) 9-45-21
- [ ] B) 25-12-20
- [ ] C) 24-12-20
- [ ] D) 4-16-8
- [ ] E) 6-30-14

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33 In a code, the word FACT is written 11-6-8-25. What is the code for COUNT?

- [ ] A) 8-20-26-19-25
- [ ] B) 8-20-26-19-26
- [ ] C) 5-17-23-16-22
- [ ] D) 4-16-22-15-21
- [ ] E) 6-30-42-28-40

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34 In a code, the word HEAR is written 11-8-4-21. What is the code for NEED?

- [ ] A) 17-8-9-7
- [ ] B) 13-4-4-3
- [ ] C) 15-6-6-5
- [ ] D) 11-2-2-1
- [ ] E) 17-8-8-7

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35 In a code, the word SCENE is written 21-5-7-16-7. Which word does the code 21-17-23-22-10 stand for?

- [ ] A) SOUTH
- [ ] B) BOUND
- [ ] C) ROUGH
- [ ] D) NORTH
- [ ] E) SOLAR

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36 In a code, the word SOY is written 22-18-28. What is the code for OPEN?

- ☐ A) 20-21-10-19
- ☐ B) 18-18-8-17
- ☐ C) 18-20-8-17
- ☐ D) 12-11-22-13
- ☐ E) 18-19-8-17

---

37 In a code, the word PILL is written 18-11-14-14. What is the code for OVAL?

- ☐ A) 17-24-2-14
- ☐ B) 15-22-1-12
- ☐ C) 17-24-3-14
- ☐ D) 19-26-5-16
- ☐ E) 20-27-6-17

---

38 In a code, the word STUN is written 16-17-18-11. What is the code for STEEL?

- ☐ A) 16-17-2-2-9
- ☐ B) 19-20-5-5-12
- ☐ C) 17-18-3-3-10
- ☐ D) 57-60-15-15-36
- ☐ E) 16-17-2-3-9

---

39 In a code, the word CRY is written 4-19-26. What is the code for BOW?

- ☐ A) 24-16-3
- ☐ B) 4-17-25
- ☐ C) 7-20-28
- ☐ D) 6-45-69
- ☐ E) 3-16-24

---

40 In a code, the word WORSE is written 21-13-16-17-3. What is the code for COD?

- ☐ A) 5-17-6
- ☐ B) 9-45-12
- ☐ C) 1-13-2
- ☐ D) 4-16-5
- ☐ E) 2-14-3

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41 In a code, the word PULSE is written 20-25-16-23-9. What is the code for AWAY?

- [ ] A) 3-69-3-75
- [ ] B) 5-27-5-29
- [ ] C) 4-26-4-28
- [ ] D) 26-4-26-2
- [ ] E) 5-27-5-30

---

42 In a code, the word CREEP is written 4-19-6-6-17. What is the code for SCOUT?

- [ ] A) 38-6-30-42-40
- [ ] B) 8-24-12-6-7
- [ ] C) 21-22-16-4-20
- [ ] D) 20-4-16-22-21
- [ ] E) 24-8-20-26-25

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43 In a code, the word DASH is written 5-2-20-9. What is the code for FURY?

- [ ] A) 6-21-18-25
- [ ] B) 7-21-19-26
- [ ] C) 9-24-21-28
- [ ] D) 7-22-19-26
- [ ] E) 26-19-22-7

---

44 In a code, the word SWELL is written 8-4-22-15-15. What is the code for STAIN?

- [ ] A) 24-25-6-14-19
- [ ] B) 38-40-2-18-28
- [ ] C) 13-18-26-7-8
- [ ] D) 21-22-3-11-16
- [ ] E) 8-7-26-18-13

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45 In a code, the word STRAW is written 22-23-21-4-26. Which word does the code 18-4-22-12-22 stand for?

- [ ] A) SATIN
- [ ] B) RADIO
- [ ] C) PASTE
- [ ] D) OASIS
- [ ] E) WASTE

---

46 In a code, the word PRICE is written 48-54-27-9-15. What is the code for HAIR?

- [ ] A) 54-27-3-24
- [ ] B) 24-3-27-54
- [ ] C) 12-5-13-22
- [ ] D) 16-2-18-36
- [ ] E) 24-4-27-54

---

47 In a code, the word CLAW is written 9-36-3-69. What is the code for RADAR?

- [ ] A) 54-3-12-3-54
- [ ] B) 22-5-8-5-22
- [ ] C) 54-3-12-2-54
- [ ] D) 18-1-4-1-18
- [ ] E) 36-2-8-2-36

---

48 In a code, the word MURKY is written 14-6-9-16-2. What is the code for REACH?

- [ ] A) 19-6-2-4-9
- [ ] B) 9-22-26-24-19
- [ ] C) 23-10-6-8-13
- [ ] D) 19-24-26-22-9
- [ ] E) 20-7-3-5-10

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49 In a code, the word ACID is written 3-5-11-6. What is the code for KNEW?

- [ ] A) 33-42-15-69
- [ ] B) 11-14-5-23
- [ ] C) 15-18-9-27
- [ ] D) 13-16-7-25
- [ ] E) 10-13-4-22

---

50 In a code, the word ADJ is written 4-7-13. Which word does the code 14-4-28-4-14 stand for?

- [ ] A) KAYAK
- [ ] B) KNOCK
- [ ] C) BREAK
- [ ] D) STEAK
- [ ] E) LOYAL

---

51 In a code, the word MIGHT is written 15-11-9-10-22. Which word does the code 24-17-11-5-7 stand for?

- [ ] A) TOUCH
- [ ] B) ROUTE
- [ ] C) WHICH
- [ ] D) UNITE
- [ ] E) VOICE

---

52 In a code, the word TANGO is written 24-5-18-11-19. What is the code for TOUGH?

- [ ] A) 23-18-24-10-11
- [ ] B) 20-15-21-7-8
- [ ] C) 12-11-25-19-24
- [ ] D) 19-14-20-6-7
- [ ] E) 24-19-25-11-12

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53 In a code, the word FULL is written 21-6-15-15. Which word does the code 24-26-5-22 stand for?

- [ ] A) CHAT
- [ ] B) CORE
- [ ] C) PATH
- [ ] D) DOVE
- [ ] E) CAVE

---

54 In a code, the word CROWD is written 24-9-12-4-23. Which word does the code 21-15-6-18-23 stand for?

- [ ] A) FLESH
- [ ] B) FLOCK
- [ ] C) FIELD
- [ ] D) BLOOD
- [ ] E) FLUID

---

55 In a code, the word KNEE is written 33-42-15-15. What is the code for TROLL?

- [ ] A) 25-23-20-17-17
- [ ] B) 20-18-15-12-12
- [ ] C) 17-15-12-9-9
- [ ] D) 7-9-12-15-15
- [ ] E) 60-54-45-36-36

---

56 In a code, the word TAXI is written 24-5-28-13. What is the code for HONK?

- [ ] A) 12-19-18-15
- [ ] B) 13-19-18-15
- [ ] C) 15-18-19-12
- [ ] D) 9-16-15-12
- [ ] E) 11-18-17-14

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57 In a code, the word REACT is written 36-10-2-6-40. Which word does the code 46-18-24-24 stand for?

- ☐ A) FOLK
- ☐ B) HILL
- ☐ C) ROLE
- ☐ D) BULB
- ☐ E) WILL

---

58 In a code, the word TASK is written 21-2-20-12. What is the code for DEAF?

- ☐ A) 12-15-3-18
- ☐ B) 4-6-2-7
- ☐ C) 5-6-2-7
- ☐ D) 23-22-26-21
- ☐ E) 9-10-6-11

---

59 In a code, the word NOVEL is written 13-12-5-22-15. What is the code for RELY?

- ☐ A) 9-22-15-2
- ☐ B) 23-10-17-30
- ☐ C) 9-22-16-2
- ☐ D) 20-7-14-27
- ☐ E) 54-15-36-75

---

60 In a code, the word SIGH is written 19-9-7-8. What is the code for FAKE?

- ☐ A) 6-1-11-5
- ☐ B) 6-2-11-5
- ☐ C) 9-4-14-8
- ☐ D) 12-2-22-10
- ☐ E) 5-11-1-6

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61 In a code, the word LILY is written 24-18-24-50. What is the code for NAIL?

- [ ] A) 14-1-9-12
- [ ] B) 28-2-18-24
- [ ] C) 28-2-18-25
- [ ] D) 17-4-12-15
- [ ] E) 15-2-10-13

---

62 In a code, the word GROAN is written 11-22-19-5-18. Which word does the code 16-5-30-29 stand for?

- [ ] A) GALE
- [ ] B) TANK
- [ ] C) VERY
- [ ] D) LONE
- [ ] E) LAZY

---

63 In a code, the word SLAM is written 19-12-1-13. What is the code for TROT?

- [ ] A) 40-36-30-40
- [ ] B) 22-20-17-22
- [ ] C) 20-18-15-20
- [ ] D) 60-54-45-60
- [ ] E) 20-18-16-20

---

64 In a code, the word CLOWN is written 6-24-30-46-28. Which word does the code 16-30-40-10-24 stand for?

- [ ] A) WHEEL
- [ ] B) LOWER
- [ ] C) POWER
- [ ] D) CRUEL
- [ ] E) HOTEL

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65 In a code, the word BLUNT is written 3-13-22-15-21. What is the code for SCALP?

- [ ] A) 57-9-3-36-48
- [ ] B) 20-4-2-13-17
- [ ] C) 17-13-2-4-20
- [ ] D) 19-3-1-12-16
- [ ] E) 23-7-5-16-20

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66 In a code, the word FORTY is written 21-12-9-7-2. What is the code for INN?

- [ ] A) 7-12-12
- [ ] B) 18-14-13
- [ ] C) 18-13-13
- [ ] D) 9-14-14
- [ ] E) 14-19-19

---

67 In a code, the word DEATH is written 6-7-3-22-10. Which word does the code 4-20-17-17-13 stand for?

- [ ] A) FLOOR
- [ ] B) BROOK
- [ ] C) CREEK
- [ ] D) BRIEF
- [ ] E) BELOW

---

68 In a code, the word RIG is written 9-18-20. Which word does the code 9-26-9-22 stand for?

- [ ] A) FATE
- [ ] B) DOME
- [ ] C) RARE
- [ ] D) HOME
- [ ] E) LONE

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69 In a code, the word PRIZE is written 20-22-13-30-9. Which word does the code 20-16-5-24-9 stand for?

- [ ] A) PLATE
- [ ] B) QUAKE
- [ ] C) SLACK
- [ ] D) BLACK
- [ ] E) SPACE

---

70 In a code, the word SLATE is written 38-24-2-40-10. Which word does the code 16-10-2-24 stand for?

- [ ] A) HEEL
- [ ] B) OVAL
- [ ] C) HEAL
- [ ] D) RAIL
- [ ] E) LEGO

---

71 In this code, each letter's alphabet position has 3 added to it. Using this rule, the code for SUN is 22-24-17. What is the code for HAT?

- [ ] A) 8-1-20
- [ ] B) 11-5-23
- [ ] C) 23-4-11
- [ ] D) 11-4-26
- [ ] E) 11-4-23

---

72 In a code, the word ROB is written 17-14-1. What is the code for BUD?

- [ ] A) 1-20-2
- [ ] B) 6-25-8
- [ ] C) 4-23-6
- [ ] D) 1-20-3
- [ ] E) 3-20-1

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73 In a code, the word WOE is written 4-12-22. What is the code for IRIS?

- ☐ A) 10-19-10-20
- ☐ B) 18-9-18-8
- ☐ C) 18-36-18-38
- ☐ D) 14-23-14-24
- ☐ E) 7-16-7-17

---

74 In a code, the word READY is written 22-9-5-8-29. Which word does the code 19-20-9-18 stand for?

- ☐ A) DIET
- ☐ B) GREW
- ☐ C) PIER
- ☐ D) ITEM
- ☐ E) OPEN

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Mark scheme · 3.20 Number Codes: Test Pack

Question 1

B) 4-15-7 - each letter replaced by its alphabet position (D=4, O=15, G=7) cao **B1**

Answer: B) 4-15-7

Question 2

E) 27-3-20-6 - each letter's alphabet position has 2 added to it: YARD becomes 27-3-20-6 **B1**

Answer: E) 27-3-20-6

Question 3

C) 22-15-8-7 - each letter's alphabet position has 3 added to it: SLED becomes 22-15-8-7 **B1**

Answer: C) 22-15-8-7

Question 4

C) 6-13-22-8 - alphabet position plus 4 for each letter (B=2+4=6, I=9+4=13, R=18+4=22, D=4+4=8) cao **B1**

Answer: C) 6-13-22-8

Question 5

D) 50-10-38 - each letter's alphabet position is doubled: YES becomes 50-10-38 **B1**

Answer: D) 50-10-38

Question 6

B) 38-46-10-24-24 - each letter's alphabet position is doubled: SWELL becomes 38-46-10-24-24 **B1**

Answer: B) 38-46-10-24-24

Question 7

B) EVER - the alphabet is reversed: A=26, B=25 ... Z=1: 22-5-22-9 decodes to EVER **B1**

Answer: B) EVER

Question 8

D) 26-15-12-13-22 - the alphabet is reversed: A=26, B=25 ... Z=1: ALONE becomes 26-15-12-13-22 **B1**

Answer: D) 26-15-12-13-22

Question 9

C) IDLE - each letter's alphabet position has 2 added to it: 11-6-14-7 decodes to IDLE **B1**

Answer: C) IDLE

Question 10

A) 21-19-2-20-9 - each letter's alphabet position has 1 added to it: TRASH becomes 21-19-2-20-9 **B1**

Answer: A) 21-19-2-20-9

Question 11

A) 5-3-20-17-14 - each letter's alphabet position has 2 added to it: CAROL becomes 5-3-20-17-14 **B1**

Answer: A) 5-3-20-17-14

Question 12

B) OUT - 2 is subtracted from each letter's alphabet position: 13-19-18 decodes to OUT **B1**

Answer: B) OUT

Question 13

B) STONE - decodes as S=19, T=20, O=15, N=14, E=5 cao **B1**

Answer: B) STONE

Question 14

E) 5-4-10-8-15 - each letter's alphabet position has 3 added to it: BAGEL becomes 5-4-10-8-15 **B1**

Answer: E) 5-4-10-8-15

Question 15

E) COVER - each letter's alphabet position has 5 added to it: 8-20-27-10-23 decodes to COVER **B1**

Answer: E) COVER

Question 16

D) 60-24-15 - each letter's alphabet position is multiplied by 3: THE becomes 60-24-15 **B1**

Answer: D) 60-24-15

Question 17

D) DOLLS - each letter's alphabet position has 3 added to it: 7-18-15-15-22 decodes to DOLLS **B1**

Answer: D) DOLLS

Question 18

A) SLED - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): 19-12-5-4 decodes to SLED **B1**

Answer: A) SLED

Question 19

D) 19-23-3-5-13 - each letter's alphabet position has 2 added to it: QUACK becomes 19-23-3-5-13 **B1**

Answer: D) 19-23-3-5-13

Question 20

D) 46-2-28-8 - each letter's alphabet position is doubled: WAND becomes 46-2-28-8 **B1**

Answer: D) 46-2-28-8

Question 21

C) 36-18-4 - each letter's alphabet position is doubled: RIB becomes 36-18-4 **B1**

Answer: C) 36-18-4

Question 22

D) 9-18-27 - the rule is alphabet position plus 3 (F=6+3=9, O=15+3=18, X=24+3=27) cao **B1**

Answer: D) 9-18-27

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Question 23

C) 24-3-60-9-24 - each letter's alphabet position is multiplied by 3: HATCH becomes 24-3-60-9-24 **B1**

Answer: C) 24-3-60-9-24

Question 24

A) 17-18-13-16-11 - the rule is alphabet position minus 2 (S=19-2=17, T=20-2=18, O=15-2=13, R=18-2=16, M=13-2=11) cao **B1**

Answer: A) 17-18-13-16-11

Question 25

E) 8-9-5-22 - each letter's alphabet position has 4 added to it: DEAR becomes 8-9-5-22 **B1**

Answer: E) 8-9-5-22

Question 26

B) 15-14-8-13-19 - 1 is subtracted from each letter's alphabet position: POINT becomes 15-14-8-13-19 **B1**

Answer: B) 15-14-8-13-19

Question 27

E) 32-10-40 - each letter's alphabet position is doubled: PET becomes 32-10-40 **B1**

Answer: E) 32-10-40

Question 28

E) 10-15-5-6-25 - each letter's alphabet position has 1 added to it: INDEX becomes 10-15-5-6-25 **B1**

Answer: E) 10-15-5-6-25

Question 29

E) FOE - each letter's alphabet position has 3 added to it: 9-18-8 decodes to FOE **B1**

Answer: E) FOE

Question 30

C) 14-16-23-10-6 - each letter's alphabet position has 1 added to it: MOVIE becomes 14-16-23-10-6 **B1**

Answer: C) 14-16-23-10-6

Question 31

A) 6-19-9 - each letter's alphabet position has 5 added to it: AND becomes 6-19-9 **B1**

Answer: A) 6-19-9

Question 32

C) 24-12-20 - the alphabet is reversed: A=26, B=25 ... Z=1: COG becomes 24-12-20 **B1**

Answer: C) 24-12-20

Question 33

A) 8-20-26-19-25 - each letter's alphabet position has 5 added to it: COUNT becomes 8-20-26-19-25 **B1**

Answer: A) 8-20-26-19-25

Question 34

E) 17-8-8-7 - each letter's alphabet position has 3 added to it: NEED becomes 17-8-8-7 **B1**

Answer: E) 17-8-8-7

Question 35

A) SOUTH - each letter's alphabet position has 2 added to it: 21-17-23-22-10 decodes to SOUTH **B1**

Answer: A) SOUTH

Question 36

E) 18-19-8-17 - each letter's alphabet position has 3 added to it: OPEN becomes 18-19-8-17 **B1**

Answer: E) 18-19-8-17

Question 37

C) 17-24-3-14 - each letter's alphabet position has 2 added to it: OVAL becomes 17-24-3-14 **B1**

Answer: C) 17-24-3-14

Question 38

A) 16-17-2-2-9 - 3 is subtracted from each letter's alphabet position: STEEL becomes 16-17-2-2-9 **B1**

Answer: A) 16-17-2-2-9

Question 39

E) 3-16-24 - each letter's alphabet position has 1 added to it: BOW becomes 3-16-24 **B1**

Answer: E) 3-16-24

Question 40

C) 1-13-2 - 2 is subtracted from each letter's alphabet position: COD becomes 1-13-2 **B1**

Answer: C) 1-13-2

Question 41

B) 5-27-5-29 - each letter's alphabet position has 4 added to it: AWAY becomes 5-27-5-29 **B1**

Answer: B) 5-27-5-29

Question 42

D) 20-4-16-22-21 - each letter's alphabet position has 1 added to it: SCOUT becomes 20-4-16-22-21 **B1**

Answer: D) 20-4-16-22-21

Question 43

D) 7-22-19-26 - each letter's alphabet position has 1 added to it: FURY becomes 7-22-19-26 **B1**

Answer: D) 7-22-19-26

Question 44

E) 8-7-26-18-13 - the alphabet is reversed: A=26, B=25 ... Z=1: STAIN becomes 8-7-26-18-13 **B1**

Answer: E) 8-7-26-18-13

Question 45

D) OASIS - each letter's alphabet position has 3 added to it: 18-4-22-12-22 decodes to OASIS **B1**

Answer: D) OASIS

Question 46

B) 24-3-27-54 - each letter's alphabet position is multiplied by 3: HAIR becomes 24-3-27-54 **B1**

Answer: B) 24-3-27-54

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Question 47

A) 54-3-12-3-54 - each letter's alphabet position is multiplied by 3: RADAR becomes 54-3-12-3-54 **B1**

Answer: A) 54-3-12-3-54

Question 48

B) 9-22-26-24-19 - the alphabet is reversed: A=26, B=25 ... Z=1: REACH becomes 9-22-26-24-19 **B1**

Answer: B) 9-22-26-24-19

Question 49

D) 13-16-7-25 - each letter's alphabet position has 2 added to it: KNEW becomes 13-16-7-25 **B1**

Answer: D) 13-16-7-25

Question 50

A) KAYAK - each letter's alphabet position has 3 added to it: 14-4-28-4-14 decodes to KAYAK **B1**

Answer: A) KAYAK

Question 51

E) VOICE - each letter's alphabet position has 2 added to it: 24-17-11-5-7 decodes to VOICE **B1**

Answer: E) VOICE

Question 52

E) 24-19-25-11-12 - each letter's alphabet position has 4 added to it: TOUGH becomes 24-19-25-11-12 **B1**

Answer: E) 24-19-25-11-12

Question 53

E) CAVE - the alphabet is reversed: A=26, B=25 ... Z=1: 24-26-5-22 decodes to CAVE **B1**

Answer: E) CAVE

Question 54

E) FLUID - the alphabet is reversed: A=26, B=25 ... Z=1: 21-15-6-18-23 decodes to FLUID **B1**

Answer: E) FLUID

Question 55

E) 60-54-45-36-36 - each letter's alphabet position is multiplied by 3: TROLL becomes 60-54-45-36-36 **B1**

Answer: E) 60-54-45-36-36

Question 56

A) 12-19-18-15 - each letter's alphabet position has 4 added to it: HONK becomes 12-19-18-15 **B1**

Answer: A) 12-19-18-15

Question 57

E) WILL - each letter's alphabet position is doubled: 46-18-24-24 decodes to WILL **B1**

Answer: E) WILL

Question 58

C) 5-6-2-7 - each letter's alphabet position has 1 added to it: DEAF becomes 5-6-2-7 **B1**

Answer: C) 5-6-2-7

Question 59

A) 9-22-15-2 - the alphabet is reversed: A=26, B=25 ... Z=1: RELY becomes 9-22-15-2 **B1**

Answer: A) 9-22-15-2

Question 60

A) 6-1-11-5 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): FAKE becomes 6-1-11-5 **B1**

Answer: A) 6-1-11-5

Question 61

B) 28-2-18-24 - each letter's alphabet position is doubled: NAIL becomes 28-2-18-24 **B1**

Answer: B) 28-2-18-24

Question 62

E) LAZY - each letter's alphabet position has 4 added to it: 16-5-30-29 decodes to LAZY **B1**

Answer: E) LAZY

Question 63

C) 20-18-15-20 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): TROT becomes 20-18-15-20 **B1**

Answer: C) 20-18-15-20

Question 64

E) HOTEL - each letter's alphabet position is doubled: 16-30-40-10-24 decodes to HOTEL **B1**

Answer: E) HOTEL

Question 65

B) 20-4-2-13-17 - each letter's alphabet position has 1 added to it: SCALP becomes 20-4-2-13-17 **B1**

Answer: B) 20-4-2-13-17

Question 66

C) 18-13-13 - the alphabet is reversed: A=26, B=25 ... Z=1: INN becomes 18-13-13 **B1**

Answer: C) 18-13-13

Question 67

B) BROOK - each letter's alphabet position has 2 added to it: 4-20-17-17-13 decodes to BROOK **B1**

Answer: B) BROOK

Question 68

C) RARE - the alphabet is reversed: A=26, B=25 ... Z=1: 9-26-9-22 decodes to RARE **B1**

Answer: C) RARE

Question 69

A) PLATE - each letter's alphabet position has 4 added to it: 20-16-5-24-9 decodes to PLATE **B1**

Answer: A) PLATE

Question 70

C) HEAL - each letter's alphabet position is doubled: 16-10-2-24 decodes to HEAL **B1**

Answer: C) HEAL

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Question 71

E) 11-4-23 - alphabet position plus 3 for each letter (H=8+3=11, A=1+3=4, T=20+3=23) cao **B1**

Answer: E) 11-4-23

Question 72

D) 1-20-3 - 1 is subtracted from each letter's alphabet position: BUD becomes 1-20-3 **B1**

Answer: D) 1-20-3

Question 73

B) 18-9-18-8 - the alphabet is reversed: A=26, B=25 ... Z=1: IRIS becomes 18-9-18-8 **B1**

Answer: B) 18-9-18-8

Question 74

E) OPEN - each letter's alphabet position has 4 added to it: 19-20-9-18 decodes to OPEN **B1**

Answer: E) OPEN

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