3.20 Number Codes: 1-hour 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 In a code, the word CAME is written 7-5-17-9. Which word does the code 16-19-23-24 stand for?

- ☐ A) BOOK
- ☐ B) LOST
- ☐ C) MIST
- ☐ D) HONK
- ☐ E) SOIL

---

2 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 13-15-15-14 represent?

- ☐ A) NOON
- ☐ B) SOON
- ☐ C) MOON
- ☐ D) MOAN
- ☐ E) MOOD

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3 In a code, the word RYE is written 22-29-9. What is the code for RARE?

- [ ] A) 20-3-20-7
- [ ] B) 22-5-22-9
- [ ] C) 9-26-9-22
- [ ] D) 22-5-23-9
- [ ] E) 18-1-18-5

---

4 In a code, the word HANG is written 9-2-15-8. Which word does the code 21-6-2-14 stand for?

- [ ] A) NEXT
- [ ] B) LOAD
- [ ] C) TEAM
- [ ] D) DEAL
- [ ] E) TAIL

---

5 In a code, the word CHEAP is written 6-11-8-4-19. Which word does the code 19-24-23 stand for?

- [ ] A) PUT
- [ ] B) FIB
- [ ] C) FIX
- [ ] D) EVE
- [ ] E) BAD

---

6 In a code, the word CHICK is written 3-8-9-3-11. Which word does the code 13-1-20-8-19 stand for?

- [ ] A) METAL
- [ ] B) MIGHT
- [ ] C) MATHS
- [ ] D) PATCH
- [ ] E) PANTS

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7 In a code, the word LITRE is written 24-18-40-36-10. What is the code for MARCH?

- [ ] A) 26-2-36-6-16
- [ ] B) 14-26-9-24-19
- [ ] C) 13-1-18-3-8
- [ ] D) 18-6-23-8-13
- [ ] E) 16-6-36-2-26

---

8 In a code, the word OFTEN is written 17-8-22-7-16. Which word does the code 14-17-5-3-14 stand for?

- [ ] A) LORRY
- [ ] B) LOCAL
- [ ] C) TRIAL
- [ ] D) TOTAL
- [ ] E) LOWER

---

9 In a code, the word SON is written 38-30-28. Which word does the code 8-2-40-10 stand for?

- [ ] A) DOWN
- [ ] B) CARE
- [ ] C) DATE
- [ ] D) DOZE
- [ ] E) GANG

---

10 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 18-9-22-5-18 represent?

- [ ] A) RIDER
- [ ] B) GIVER
- [ ] C) DIVER
- [ ] D) RIVER
- [ ] E) RISER

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11 In a code, the word LADY is written 24-2-8-50. What is the code for CAB?

- [ ] A) 8-6-7
- [ ] B) 6-4-5
- [ ] C) 6-3-4
- [ ] D) 24-26-25
- [ ] E) 6-2-4

---

12 In a code, the word FUSS is written 4-19-17-17. What is the code for LORD?

- [ ] A) 13-16-19-5
- [ ] B) 15-18-21-7
- [ ] C) 15-12-9-23
- [ ] D) 12-15-18-4
- [ ] E) 10-13-16-2

---

13 In a code, the word SWARM is written 8-4-26-9-14. What is the code for SHOOT?

- [ ] A) 8-19-12-12-7
- [ ] B) 38-16-30-30-40
- [ ] C) 23-12-19-19-24
- [ ] D) 7-12-12-19-8
- [ ] E) 16-5-12-12-17

---

14 In a code, the word FAKE is written 12-2-22-10. What is the code for COUNT?

- [ ] A) 3-15-21-14-20
- [ ] B) 6-30-42-28-39
- [ ] C) 6-30-42-28-40
- [ ] D) 1-13-19-12-18
- [ ] E) 8-20-26-19-25

---

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

- [ ] A) TANK
- [ ] B) TOOL
- [ ] C) COST
- [ ] D) SLOW
- [ ] E) CORD

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16 In a code, the word PET is written 13-2-17. Which word does the code 22-12-18 stand for?

- ☐ A) HEN
- ☐ B) YOU
- ☐ C) FIN
- ☐ D) TIN
- ☐ E) BUD

---

17 In a code, the word TIDE is written 21-10-5-6. What is the code for COSY?

- ☐ A) 4-16-20-26
- ☐ B) 4-16-20-27
- ☐ C) 4-16-20-25
- ☐ D) 1-13-17-23
- ☐ E) 26-20-16-4

---

18 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 16-12-1-14-20 represent?

- ☐ A) PLANE
- ☐ B) SLANT
- ☐ C) PLAIT
- ☐ D) PLANK
- ☐ E) PLANT

---

19 In a code, the word DIZZY is written 8-18-52-52-50. What is the code for LAD?

- ☐ A) 8-2-24
- ☐ B) 36-3-12
- ☐ C) 24-2-8
- ☐ D) 17-6-9
- ☐ E) 12-1-4

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20 In a code, the word ATTIC is written 4-23-23-12-6. Which word does the code 9-15-4-14-8 stand for?

- ☐ A) CEASE
- ☐ B) FLAKE
- ☐ C) BLADE
- ☐ D) PLATE
- ☐ E) TRACE

---

21 In a code, the word BEAR is written 4-7-3-20. What is the code for DEAF?

- ☐ A) 4-5-1-6
- ☐ B) 8-10-2-12
- ☐ C) 8-3-7-6
- ☐ D) 7-8-4-9
- ☐ E) 6-7-3-8

---

22 In a code, the word WOLF is written 27-19-16-10. What is the code for LIMIT?

- ☐ A) 16-13-17-13-24
- ☐ B) 13-10-14-10-21
- ☐ C) 16-13-17-13-25
- ☐ D) 9-6-10-6-17
- ☐ E) 14-11-15-11-22

---

23 In a code, the word MAKER is written 18-6-16-10-23. What is the code for GRAIN?

- ☐ A) 11-22-5-13-18
- ☐ B) 12-23-6-14-19
- ☐ C) 12-23-6-15-19
- ☐ D) 20-9-26-18-13
- ☐ E) 10-21-4-12-17

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24 In a code, the word BRAKE is written 2-18-1-11-5. Which word does the code 20-5-14-20-8 stand for?

- ☐ A) TENTH
- ☐ B) EARTH
- ☐ C) PINCH
- ☐ D) SIXTH
- ☐ E) REACH

---

25 In a code, the word SOLID is written 19-15-12-9-4. What is the code for THUMP?

- ☐ A) 19-7-20-12-15
- ☐ B) 20-8-21-13-16
- ☐ C) 16-13-21-8-20
- ☐ D) 21-9-22-14-17
- ☐ E) 40-16-42-26-32

---

26 In a code, the word TAN is written 40-2-28. What is the code for OLD?

- ☐ A) 30-24-9
- ☐ B) 30-24-7
- ☐ C) 45-36-12
- ☐ D) 15-12-4
- ☐ E) 30-24-8

---

27 In a code, the word GROUP is written 21-54-45-63-48. What is the code for END?

- ☐ A) 15-42-12
- ☐ B) 3-12-2
- ☐ C) 5-14-4
- ☐ D) 9-18-8
- ☐ E) 22-13-23

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28 In a code, the word ROLL is written 22-19-16-16. What is the code for CUT?

- [ ] A) 5-23-22
- [ ] B) 7-26-24
- [ ] C) 2-20-19
- [ ] D) 7-25-24
- [ ] E) 6-24-23

---

29 In a code, the word BULKY is written 2-21-12-11-25. What is the code for THUMB?

- [ ] A) 19-7-20-12-1
- [ ] B) 7-19-6-14-25
- [ ] C) 20-8-21-13-2
- [ ] D) 2-13-21-8-20
- [ ] E) 22-10-23-15-4

---

30 In a code, the word RADIO is written 22-5-8-13-19. What is the code for SUIT?

- [ ] A) 23-25-13-24
- [ ] B) 24-26-14-25
- [ ] C) 20-22-10-21
- [ ] D) 17-19-7-18
- [ ] E) 24-13-25-23

---

31 In a code, the word LIST is written 15-18-8-7. What is the code for CRUMB?

- [ ] A) 25-14-6-9-24
- [ ] B) 4-19-22-14-3
- [ ] C) 24-9-6-14-25
- [ ] D) 3-18-21-13-2
- [ ] E) 8-23-26-18-7

---

32 In a code, the word BODY is written 3-16-5-26. What is the code for ISLE?

- [ ] A) 8-18-11-4
- [ ] B) 12-22-15-8
- [ ] C) 13-23-16-9
- [ ] D) 10-20-13-6
- [ ] E) 18-8-15-22

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33 In a code, the word MURKY is written 18-26-23-16-30. What is the code for POUCH?

- [ ] A) 15-14-20-2-7
- [ ] B) 13-8-26-20-21
- [ ] C) 48-45-63-9-24
- [ ] D) 14-13-19-1-6
- [ ] E) 21-20-26-8-13

---

34 In a code, the word SPOKE is written 22-19-18-14-8. Which word does the code 6-21-24-16-5 stand for?

- [ ] A) CLIMB
- [ ] B) CRUMB
- [ ] C) COMMA
- [ ] D) CREEK
- [ ] E) TRUNK

---

35 In a code, the word MANY is written 13-1-14-25. What is the code for TUBE?

- [ ] A) 23-24-5-8
- [ ] B) 19-20-1-4
- [ ] C) 20-21-2-5
- [ ] D) 22-23-4-7
- [ ] E) 40-42-4-10

---

36 In a code, the word THREE is written 40-16-36-10-10. What is the code for TROUT?

- [ ] A) 25-23-20-26-25
- [ ] B) 40-36-30-42-40
- [ ] C) 24-22-19-25-24
- [ ] D) 40-36-31-42-40
- [ ] E) 21-19-16-22-21

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37 If the code for SUN is 19-21-14, what is the code for HAT?

- ☐ A) 8-1-19
- ☐ B) 8-2-20
- ☐ C) 20-1-8
- ☐ D) 8-1-20
- ☐ E) 7-1-20

---

38 In a code, the word EVENT is written 22-5-22-13-7. Which word does the code 7-12-12 stand for?

- ☐ A) TOO
- ☐ B) SOW
- ☐ C) RIB
- ☐ D) SEE
- ☐ E) WAY

---

39 In a code, the word CRANE is written 6-21-4-17-8. What is the code for MINE?

- ☐ A) 13-9-14-5
- ☐ B) 15-11-16-7
- ☐ C) 14-10-15-6
- ☐ D) 16-12-17-8
- ☐ E) 26-18-28-10

---

40 In a code, the word STAMP is written 19-20-1-13-16. What is the code for CLERK?

- ☐ A) 2-11-4-17-10
- ☐ B) 6-24-10-36-22
- ☐ C) 11-18-5-12-3
- ☐ D) 9-36-15-54-33
- ☐ E) 3-12-5-18-11

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41 In a code, the word JOG is written 15-20-12. Which word does the code 16-14-24-24 stand for?

- ☐ A) KISS
- ☐ B) WISE
- ☐ C) MICE
- ☐ D) SITE
- ☐ E) LENS

---

42 In a code, the word FAULT is written 7-2-22-13-21. What is the code for JUDGE?

- ☐ A) 7-18-1-4-2
- ☐ B) 15-26-9-12-10
- ☐ C) 11-22-5-8-6
- ☐ D) 10-21-4-7-5
- ☐ E) 17-6-23-20-22

---

43 In a code, the word CLAW is written 7-16-5-27. What is the code for FULL?

- ☐ A) 3-18-9-9
- ☐ B) 9-24-15-15
- ☐ C) 10-25-16-16
- ☐ D) 18-63-36-36
- ☐ E) 9-25-16-16

---

44 In a code, the word MOULD is written 11-13-19-10-2. Which word does the code 2-13-13-16 stand for?

- ☐ A) DOOR
- ☐ B) TOSS
- ☐ C) SOUP
- ☐ D) WOOD
- ☐ E) DEAF

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45 In a code, the word PORT is written 20-19-22-24. What is the code for ZONE?

- [ ] A) 29-18-17-8
- [ ] B) 23-12-11-2
- [ ] C) 1-12-13-22
- [ ] D) 30-19-18-9
- [ ] E) 26-15-14-5

---

46 If BOX = 8-21-30 and PEN = 22-11-20, using the same rule for both words, what is the code for FISH?

- [ ] A) 6-9-19-8
- [ ] B) 12-15-25-14
- [ ] C) 12-16-25-14
- [ ] D) 14-25-15-12
- [ ] E) 12-15-25-20

---

47 In a code, the word TRAM is written 23-21-4-16. What is the code for ROBOT?

- [ ] A) 21-18-5-18-22
- [ ] B) 54-45-6-45-60
- [ ] C) 23-18-5-18-21
- [ ] D) 17-14-1-14-19
- [ ] E) 21-18-5-18-23

---

48 In a code, the word STEEP is written 20-21-6-6-17. What is the code for BROWN?

- [ ] A) 6-22-19-27-18
- [ ] B) 3-19-16-24-15
- [ ] C) 4-20-17-25-16
- [ ] D) 25-9-12-4-13
- [ ] E) 2-18-15-23-14

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49 In a code, the word APE is written 4-19-8. What is the code for WRAP?

- [ ] A) 26-21-4-19
- [ ] B) 69-54-3-48
- [ ] C) 28-23-6-21
- [ ] D) 46-36-2-32
- [ ] E) 4-9-26-11

---

50 In a code, the word CRAZY is written 9-54-3-78-75. What is the code for FLUTE?

- [ ] A) 3-9-18-17-2
- [ ] B) 10-16-25-24-9
- [ ] C) 18-36-63-60-15
- [ ] D) 18-36-63-60-14
- [ ] E) 15-60-63-36-18

---

51 In a code, the word WEIRD is written 25-7-11-20-6. Which word does the code 10-17-4-4-27 stand for?

- [ ] A) MONEY
- [ ] B) HABIT
- [ ] C) HOVER
- [ ] D) HOBBY
- [ ] E) COBRA

---

52 In a code, the word EVIL is written 10-44-18-24. What is the code for ROAR?

- [ ] A) 54-45-3-54
- [ ] B) 36-2-30-36
- [ ] C) 36-30-2-36
- [ ] D) 9-12-26-9
- [ ] E) 22-19-5-22

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53 In a code, the word HID is written 12-13-8. Which word does the code 29-19-29-19 stand for?

- ☐ A) FORT
- ☐ B) GOAT
- ☐ C) DAYS
- ☐ D) YOYO
- ☐ E) NOON

---

54 In a code, the word LOCAL is written 16-19-7-5-16. What is the code for FIRM?

- ☐ A) 8-11-20-15
- ☐ B) 10-13-22-17
- ☐ C) 7-10-19-14
- ☐ D) 17-22-13-10
- ☐ E) 5-8-17-12

---

55 If SHIP = 15-4-5-12 and SPOT = 15-12-11-16, using the same rule for both words, what is the code for GHOST?

- ☐ A) 7-8-15-19-20
- ☐ B) 3-4-12-15-16
- ☐ C) 3-4-11-15-16
- ☐ D) 16-15-11-4-3
- ☐ E) 3-4-11-15-12

---

56 In a code, the word OTHER is written 45-60-24-15-54. What is the code for PRAWN?

- ☐ A) 48-54-3-69-42
- ☐ B) 11-9-26-4-13
- ☐ C) 17-19-2-24-15
- ☐ D) 32-36-2-46-28
- ☐ E) 42-69-3-54-48

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57 In a code, the word AWARD is written 1-23-1-18-4. What is the code for TRAIN?

- [ ] A) 22-20-3-11-16
- [ ] B) 7-9-26-18-13
- [ ] C) 25-23-6-14-19
- [ ] D) 24-22-5-13-18
- [ ] E) 20-18-1-9-14

---

58 In a code, the word WELL is written 21-3-10-10. What is the code for EWE?

- [ ] A) 22-4-22
- [ ] B) 4-22-4
- [ ] C) 15-69-15
- [ ] D) 3-21-3
- [ ] E) 10-28-10

---

59 In a code, the word REEF is written 23-10-10-11. What is the code for HERO?

- [ ] A) 7-4-17-14
- [ ] B) 13-10-23-20
- [ ] C) 11-8-21-18
- [ ] D) 12-9-22-19
- [ ] E) 16-10-36-30

---

60 In a code, the word WEIGH is written 46-10-18-14-16. Which word does the code 36-42-14-4-50 stand for?

- [ ] A) RUGBY
- [ ] B) SUGAR
- [ ] C) SOGGY
- [ ] D) PUPPY
- [ ] E) ANGRY

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61 In a code, the word SIEGE is written 20-10-6-8-6. What is the code for TACKY?

- [ ] A) 7-26-24-16-2
- [ ] B) 21-2-4-12-26
- [ ] C) 26-12-4-2-21
- [ ] D) 60-3-9-33-75
- [ ] E) 24-5-7-15-29

---

62 In a code, the word EARN is written 10-2-36-28. What is the code for KIWI?

- [ ] A) 8-6-20-6
- [ ] B) 18-46-18-22
- [ ] C) 16-18-4-18
- [ ] D) 15-13-27-13
- [ ] E) 22-18-46-18

---

63 If CAB = 6-2-4 and TEN = 40-10-28, using the same rule for both words, what is the code for LION?

- [ ] A) 12-9-15-14
- [ ] B) 24-18-30-14
- [ ] C) 28-30-18-24
- [ ] D) 24-18-32-28
- [ ] E) 24-18-30-28

---

64 In a code, the word EAT is written 22-26-7. Which word does the code 14-26-20-18-24 stand for?

- [ ] A) MAGIC
- [ ] B) MANGO
- [ ] C) MAYBE
- [ ] D) TOPIC
- [ ] E) MAJOR

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65 In a code, the word FIRE is written 7-10-19-6. What is the code for COST?

- [ ] A) 6-18-22-23
- [ ] B) 5-17-21-22
- [ ] C) 1-13-17-18
- [ ] D) 4-16-20-21
- [ ] E) 3-15-19-20

---

66 In a code, the word ASKED is written 3-57-33-15-12. Which word does the code 21-45-69-42 stand for?

- [ ] A) ROBE
- [ ] B) COSY
- [ ] C) GOWN
- [ ] D) LOOP
- [ ] E) GAVE

---

67 In a code, the word INNER is written 18-13-13-22-9. What is the code for DRESS?

- [ ] A) 23-9-22-8-8
- [ ] B) 8-36-10-38-38
- [ ] C) 8-8-22-9-23
- [ ] D) 5-19-6-20-20
- [ ] E) 23-9-22-8-9

---

68 In a code, the word PALM is written 17-2-13-14. What is the code for WARM?

- [ ] A) 27-5-22-17
- [ ] B) 23-1-18-13
- [ ] C) 28-6-23-18
- [ ] D) 4-26-9-14
- [ ] E) 24-2-19-14

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69 In a code, the word HEAD is written 12-9-5-8. What is the code for TUCK?

- ☐ A) 20-21-3-11
- ☐ B) 24-25-7-15
- ☐ C) 7-6-24-16
- ☐ D) 18-19-1-9
- ☐ E) 19-20-2-10

---

70 In a code, the word CLOCK is written 4-13-16-4-12. What is the code for WHIRL?

- ☐ A) 25-10-11-20-14
- ☐ B) 22-7-8-17-11
- ☐ C) 27-12-13-22-16
- ☐ D) 24-9-10-19-13
- ☐ E) 28-13-14-23-17

---

71 In a code, the word RIOT is written 22-13-19-24. What is the code for FLASH?

- ☐ A) 21-15-26-8-19
- ☐ B) 8-14-3-21-10
- ☐ C) 10-16-5-23-12
- ☐ D) 7-13-2-20-9
- ☐ E) 6-12-1-19-8

---

72 If CAT = 4-2-21 and DOG = 5-16-8, using the same rule for both words, which word does the code 5-16-14-6 represent?

- ☐ A) HOME
- ☐ B) DOME
- ☐ C) DIME
- ☐ D) DOSE
- ☐ E) DOZE

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73 In a code, the word WORK is written 28-20-23-16. What is the code for EVE?

- ☐ A) 3-20-3
- ☐ B) 10-27-10
- ☐ C) 10-26-10
- ☐ D) 22-5-22
- ☐ E) 9-26-9

---

74 In a code, the word WEIGH is written 26-8-12-10-11. What is the code for DIME?

- ☐ A) 6-11-15-7
- ☐ B) 1-6-10-2
- ☐ C) 7-12-16-8
- ☐ D) 12-27-39-15
- ☐ E) 9-14-18-10

---

75 In a code, the word BOOK is written 4-17-17-13. What is the code for MARE?

- ☐ A) 15-3-20-7
- ☐ B) 26-2-36-10
- ☐ C) 13-1-18-5
- ☐ D) 39-3-54-15
- ☐ E) 7-20-3-15

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76 In a code, the word DIRTY is written 8-13-22-24-29. Which word does the code 24-9-5 stand for?

- ☐ A) RIM
- ☐ B) ROW
- ☐ C) EVE
- ☐ D) TEA
- ☐ E) ZOO

---

77 In a code, the word DIVE is written 3-8-21-4. What is the code for FOOD?

- ☐ A) 3-12-12-1
- ☐ B) 5-14-15-3
- ☐ C) 3-14-14-5
- ☐ D) 5-14-14-3
- ☐ E) 9-18-18-7

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Mark scheme · 3.20 Number Codes: 1-hour Pack

Question 1

B) LOST - each letter's alphabet position has 4 added to it: 16-19-23-24 decodes to LOST **B1**

Answer: B) LOST

Question 2

C) MOON - decodes as M=13, O=15, O=15, N=14 cao **B1**

Answer: C) MOON

Question 3

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

Answer: B) 22-5-22-9

Question 4

C) TEAM - each letter's alphabet position has 1 added to it: 21-6-2-14 decodes to TEAM **B1**

Answer: C) TEAM

Question 5

A) PUT - each letter's alphabet position has 3 added to it: 19-24-23 decodes to PUT **B1**

Answer: A) PUT

Question 6

C) MATHS - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): 13-1-20-8-19 decodes to MATHS **B1**

Answer: C) MATHS

Question 7

A) 26-2-36-6-16 - each letter's alphabet position is doubled: MARCH becomes 26-2-36-6-16 **B1**

Answer: A) 26-2-36-6-16

Question 8

B) LOCAL - each letter's alphabet position has 2 added to it: 14-17-5-3-14 decodes to LOCAL **B1**

Answer: B) LOCAL

Question 9

C) DATE - each letter's alphabet position is doubled: 8-2-40-10 decodes to DATE **B1**

Answer: C) DATE

Question 10

D) RIVER - decodes as R=18, I=9, V=22, E=5, R=18 cao **B1**

Answer: D) RIVER

Question 11

E) 6-2-4 - each letter's alphabet position is doubled: CAB becomes 6-2-4 **B1**

Answer: E) 6-2-4

Question 12

E) 10-13-16-2 - 2 is subtracted from each letter's alphabet position: LORD becomes 10-13-16-2 **B1**

Answer: E) 10-13-16-2

Question 13

A) 8-19-12-12-7 - the alphabet is reversed: A=26, B=25 ... Z=1: SHOOT becomes 8-19-12-12-7 **B1**

Answer: A) 8-19-12-12-7

Question 14

C) 6-30-42-28-40 - each letter's alphabet position is doubled: COUNT becomes 6-30-42-28-40 **B1**

Answer: C) 6-30-42-28-40

Question 15

B) TOOL - the alphabet is reversed: A=26, B=25 ... Z=1: 7-12-12-15 decodes to TOOL **B1**

Answer: B) TOOL

Question 16

B) YOU - 3 is subtracted from each letter's alphabet position: 22-12-18 decodes to YOU **B1**

Answer: B) YOU

Question 17

A) 4-16-20-26 - each letter's alphabet position has 1 added to it: COSY becomes 4-16-20-26 **B1**

Answer: A) 4-16-20-26

Question 18

E) PLANT - decodes as P=16, L=12, A=1, N=14, T=20 cao **B1**

Answer: E) PLANT

Question 19

C) 24-2-8 - each letter's alphabet position is doubled: LAD becomes 24-2-8 **B1**

Answer: C) 24-2-8

Question 20

B) FLAKE - each letter's alphabet position has 3 added to it: 9-15-4-14-8 decodes to FLAKE **B1**

Answer: B) FLAKE

Question 21

E) 6-7-3-8 - each letter's alphabet position has 2 added to it: DEAF becomes 6-7-3-8 **B1**

Answer: E) 6-7-3-8

Question 22

A) 16-13-17-13-24 - each letter's alphabet position has 4 added to it: LIMIT becomes 16-13-17-13-24 **B1**

Answer: A) 16-13-17-13-24

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Question 23

B) 12-23-6-14-19 - each letter's alphabet position has 5 added to it: GRAIN becomes 12-23-6-14-19 **B1**

Answer: B) 12-23-6-14-19

Question 24

A) TENTH - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): 20-5-14-20-8 decodes to TENTH **B1**

Answer: A) TENTH

Question 25

B) 20-8-21-13-16 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): THUMP becomes 20-8-21-13-16 **B1**

Answer: B) 20-8-21-13-16

Question 26

E) 30-24-8 - each letter's alphabet position is doubled: OLD becomes 30-24-8 **B1**

Answer: E) 30-24-8

Question 27

A) 15-42-12 - each letter's alphabet position is multiplied by 3: END becomes 15-42-12 **B1**

Answer: A) 15-42-12

Question 28

D) 7-25-24 - each letter's alphabet position has 4 added to it: CUT becomes 7-25-24 **B1**

Answer: D) 7-25-24

Question 29

C) 20-8-21-13-2 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): THUMB becomes 20-8-21-13-2 **B1**

Answer: C) 20-8-21-13-2

Question 30

A) 23-25-13-24 - each letter's alphabet position has 4 added to it: SUIT becomes 23-25-13-24 **B1**

Answer: A) 23-25-13-24

Question 31

C) 24-9-6-14-25 - the alphabet is reversed: A=26, B=25 ... Z=1: CRUMB becomes 24-9-6-14-25 **B1**

Answer: C) 24-9-6-14-25

Question 32

D) 10-20-13-6 - each letter's alphabet position has 1 added to it: ISLE becomes 10-20-13-6 **B1**

Answer: D) 10-20-13-6

Question 33

E) 21-20-26-8-13 - each letter's alphabet position has 5 added to it: POUCH becomes 21-20-26-8-13 **B1**

Answer: E) 21-20-26-8-13

Question 34

B) CRUMB - each letter's alphabet position has 3 added to it: 6-21-24-16-5 decodes to CRUMB **B1**

Answer: B) CRUMB

Question 35

C) 20-21-2-5 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): TUBE becomes 20-21-2-5 **B1**

Answer: C) 20-21-2-5

Question 36

B) 40-36-30-42-40 - each letter's alphabet position is doubled: TROUT becomes 40-36-30-42-40 **B1**

Answer: B) 40-36-30-42-40

Question 37

D) 8-1-20 - each letter replaced by its alphabet position (H=8, A=1, T=20) cao **B1**

Answer: D) 8-1-20

Question 38

A) TOO - the alphabet is reversed: A=26, B=25 ... Z=1: 7-12-12 decodes to TOO **B1**

Answer: A) TOO

Question 39

D) 16-12-17-8 - each letter's alphabet position has 3 added to it: MINE becomes 16-12-17-8 **B1**

Answer: D) 16-12-17-8

Question 40

E) 3-12-5-18-11 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): CLERK becomes 3-12-5-18-11 **B1**

Answer: E) 3-12-5-18-11

Question 41

A) KISS - each letter's alphabet position has 5 added to it: 16-14-24-24 decodes to KISS **B1**

Answer: A) KISS

Question 42

C) 11-22-5-8-6 - each letter's alphabet position has 1 added to it: JUDGE becomes 11-22-5-8-6 **B1**

Answer: C) 11-22-5-8-6

Question 43

C) 10-25-16-16 - each letter's alphabet position has 4 added to it: FULL becomes 10-25-16-16 **B1**

Answer: C) 10-25-16-16

Question 44

A) DOOR - 2 is subtracted from each letter's alphabet position: 2-13-13-16 decodes to DOOR **B1**

Answer: A) DOOR

Question 45

D) 30-19-18-9 - each letter's alphabet position has 4 added to it: ZONE becomes 30-19-18-9 **B1**

Answer: D) 30-19-18-9

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Question 46

B) 12-15-25-14 - the rule is alphabet position plus 6 (F=6+6=12, I=9+6=15, S=19+6=25, H=8+6=14) cao **B1**

Answer: B) 12-15-25-14

Question 47

E) 21-18-5-18-23 - each letter's alphabet position has 3 added to it: ROBOT becomes 21-18-5-18-23 **B1**

Answer: E) 21-18-5-18-23

Question 48

B) 3-19-16-24-15 - each letter's alphabet position has 1 added to it: BROWN becomes 3-19-16-24-15 **B1**

Answer: B) 3-19-16-24-15

Question 49

A) 26-21-4-19 - each letter's alphabet position has 3 added to it: WRAP becomes 26-21-4-19 **B1**

Answer: A) 26-21-4-19

Question 50

C) 18-36-63-60-15 - each letter's alphabet position is multiplied by 3: FLUTE becomes 18-36-63-60-15 **B1**

Answer: C) 18-36-63-60-15

Question 51

D) HOBBY - each letter's alphabet position has 2 added to it: 10-17-4-4-27 decodes to HOBBY **B1**

Answer: D) HOBBY

Question 52

C) 36-30-2-36 - each letter's alphabet position is doubled: ROAR becomes 36-30-2-36 **B1**

Answer: C) 36-30-2-36

Question 53

D) YOYO - each letter's alphabet position has 4 added to it: 29-19-29-19 decodes to YOYO **B1**

Answer: D) YOYO

Question 54

B) 10-13-22-17 - each letter's alphabet position has 4 added to it: FIRM becomes 10-13-22-17 **B1**

Answer: B) 10-13-22-17

Question 55

C) 3-4-11-15-16 - the rule is alphabet position minus 4 (G=7-4=3, H=8-4=4, O=15-4=11, S=19-4=15, T=20-4=16) cao **B1**

Answer: C) 3-4-11-15-16

Question 56

A) 48-54-3-69-42 - each letter's alphabet position is multiplied by 3: PRAWN becomes 48-54-3-69-42 **B1**

Answer: A) 48-54-3-69-42

Question 57

E) 20-18-1-9-14 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): TRAIN becomes 20-18-1-9-14 **B1**

Answer: E) 20-18-1-9-14

Question 58

D) 3-21-3 - 2 is subtracted from each letter's alphabet position: EWE becomes 3-21-3 **B1**

Answer: D) 3-21-3

Question 59

B) 13-10-23-20 - each letter's alphabet position has 5 added to it: HERO becomes 13-10-23-20 **B1**

Answer: B) 13-10-23-20

Question 60

A) RUGBY - each letter's alphabet position is doubled: 36-42-14-4-50 decodes to RUGBY **B1**

Answer: A) RUGBY

Question 61

B) 21-2-4-12-26 - each letter's alphabet position has 1 added to it: TACKY becomes 21-2-4-12-26 **B1**

Answer: B) 21-2-4-12-26

Question 62

E) 22-18-46-18 - each letter's alphabet position is doubled: KIWI becomes 22-18-46-18 **B1**

Answer: E) 22-18-46-18

Question 63

E) 24-18-30-28 - the rule is alphabet position doubled (L=12x2=24, I=9x2=18, O=15x2=30, N=14x2=28) cao **B1**

Answer: E) 24-18-30-28

Question 64

A) MAGIC - the alphabet is reversed: A=26, B=25 ... Z=1: 14-26-20-18-24 decodes to MAGIC **B1**

Answer: A) MAGIC

Question 65

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

Answer: D) 4-16-20-21

Question 66

C) GOWN - each letter's alphabet position is multiplied by 3: 21-45-69-42 decodes to GOWN **B1**

Answer: C) GOWN

Question 67

A) 23-9-22-8-8 - the alphabet is reversed: A=26, B=25 ... Z=1: DRESS becomes 23-9-22-8-8 **B1**

Answer: A) 23-9-22-8-8

Question 68

E) 24-2-19-14 - each letter's alphabet position has 1 added to it: WARM becomes 24-2-19-14 **B1**

Answer: E) 24-2-19-14

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Question 69

B) 24-25-7-15 - each letter's alphabet position has 4 added to it: TUCK becomes 24-25-7-15 **B1**

Answer: B) 24-25-7-15

Question 70

D) 24-9-10-19-13 - each letter's alphabet position has 1 added to it: WHIRL becomes 24-9-10-19-13 **B1**

Answer: D) 24-9-10-19-13

Question 71

C) 10-16-5-23-12 - each letter's alphabet position has 4 added to it: FLASH becomes 10-16-5-23-12 **B1**

Answer: C) 10-16-5-23-12

Question 72

B) DOME - the rule is alphabet position plus 1, so decode by subtracting 1 first (5-1=4=D, 16-1=15=O, 14-1=13=M, 6-1=5=E) cao **B1**

Answer: B) DOME

Question 73

B) 10-27-10 - each letter's alphabet position has 5 added to it: EVE becomes 10-27-10 **B1**

Answer: B) 10-27-10

Question 74

C) 7-12-16-8 - each letter's alphabet position has 3 added to it: DIME becomes 7-12-16-8 **B1**

Answer: C) 7-12-16-8

Question 75

A) 15-3-20-7 - each letter's alphabet position has 2 added to it: MARE becomes 15-3-20-7 **B1**

Answer: A) 15-3-20-7

Question 76

D) TEA - each letter's alphabet position has 4 added to it: 24-9-5 decodes to TEA **B1**

Answer: D) TEA

Question 77

D) 5-14-14-3 - 1 is subtracted from each letter's alphabet position: FOOD becomes 5-14-14-3 **B1**

Answer: D) 5-14-14-3

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