3.20 Number Codes: 2-hour Pack

about 120 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 WILY is written 27-13-16-29. What is the code for FORK?

- ☐ A) 21-12-9-16
- ☐ B) 11-20-23-16
- ☐ C) 10-19-22-15
- ☐ D) 7-16-19-12
- ☐ E) 12-30-36-22

---

2 In a code, the word SPY is written 22-19-28. Which word does the code 22-24-19-8-21 stand for?

- ☐ A) AFTER
- ☐ B) SUPER
- ☐ C) STEEL
- ☐ D) STREW
- ☐ E) POWER

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3 In a code, the word SCOUT is written 8-24-12-6-7. What is the code for CLOCK?

- ☐ A) 1-10-13-1-9
- ☐ B) 2-11-14-2-10
- ☐ C) 5-14-17-5-13
- ☐ D) 24-15-12-24-16
- ☐ E) 6-15-18-6-14

---

4 If FISH = 5-8-18-7 and PLUM = 15-11-20-12, using the same rule for both words, which word does the code 17-14-18-4 represent?

- ☐ A) ROPE
- ☐ B) NOSE
- ☐ C) HOSE
- ☐ D) ROSE
- ☐ E) ROSY

---

5 In a code, the word SNAP is written 19-14-1-16. What is the code for ONCE?

- ☐ A) 18-17-6-8
- ☐ B) 20-19-8-10
- ☐ C) 15-14-3-5
- ☐ D) 17-16-5-7
- ☐ E) 16-15-4-6

---

6 In a code, the word JUNK is written 8-19-12-9. What is the code for SELL?

- ☐ A) 17-3-10-10
- ☐ B) 22-8-15-15
- ☐ C) 21-7-14-14
- ☐ D) 19-5-12-12
- ☐ E) 20-6-13-13

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7 In a code, the word TIRED is written 25-14-23-10-9. What is the code for HEAVY?

- [ ] A) 12-9-5-26-29
- [ ] B) 8-5-1-22-25
- [ ] C) 9-6-2-23-26
- [ ] D) 13-10-6-27-30
- [ ] E) 24-15-3-66-75

---

8 In a code, the word HOVER is written 16-30-44-10-36. Which word does the code 6-16-2-18-36 stand for?

- [ ] A) CHECK
- [ ] B) CHAIR
- [ ] C) CHIEF
- [ ] D) CHORE
- [ ] E) STAIR

---

9 In a code, the word OVAL is written 17-24-3-14. What is the code for BEEN?

- [ ] A) 4-10-10-28
- [ ] B) 1-4-4-13
- [ ] C) 5-8-8-17
- [ ] D) 4-7-6-16
- [ ] E) 4-7-7-16

---

10 In a code, the word COAL is written 6-30-2-24. What is the code for OAR?

- [ ] A) 15-1-18
- [ ] B) 16-2-19
- [ ] C) 30-2-36
- [ ] D) 30-2-37
- [ ] E) 36-2-30

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11 In a code, the word MAJOR is written 17-5-14-19-22. What is the code for FOUR?

- ☐ A) 22-25-19-10
- ☐ B) 8-17-23-20
- ☐ C) 4-13-19-16
- ☐ D) 10-19-25-22
- ☐ E) 6-15-21-18

---

12 In a code, the word JIG is written 13-12-10. What is the code for RIG?

- ☐ A) 15-6-4
- ☐ B) 36-18-14
- ☐ C) 23-14-12
- ☐ D) 19-10-8
- ☐ E) 21-12-10

---

13 If CAT = 24-26-7 and DOG = 23-12-20, using a code where each letter is instead counted from the end of the alphabet (Z=1, Y=2, and so on), which word does the code 20-12-15-23 represent?

- ☐ A) BOLD
- ☐ B) COLD
- ☐ C) GOLD
- ☐ D) GOLF
- ☐ E) HOLD

---

14 In a code, the word BARN is written 6-5-22-18. What is the code for SCALE?

- ☐ A) 8-24-26-15-22
- ☐ B) 23-7-5-16-9
- ☐ C) 9-16-5-7-23
- ☐ D) 23-7-6-16-9
- ☐ E) 19-3-1-12-5

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15 In a code, the word HEEL is written 8-5-5-12. What is the code for KIWI?

- [ ] A) 16-18-4-18
- [ ] B) 11-9-23-9
- [ ] C) 10-8-22-8
- [ ] D) 13-11-25-11
- [ ] E) 9-7-21-7

---

16 In a code, the word TIME is written 24-13-17-9. What is the code for ATLAS?

- [ ] A) 2-40-24-2-38
- [ ] B) 1-20-12-1-19
- [ ] C) 6-25-17-6-24
- [ ] D) 5-24-16-5-23
- [ ] E) 26-7-15-26-8

---

17 In a code, the word LEGO is written 16-9-11-19. Which word does the code 6-25-18-7-12 stand for?

- [ ] A) BUNCH
- [ ] B) NINTH
- [ ] C) BURST
- [ ] D) BIRCH
- [ ] E) MONTH

---

18 In a code, the word TIDE is written 7-18-23-22. What is the code for IVY?

- [ ] A) 27-66-75
- [ ] B) 18-5-2
- [ ] C) 12-25-28
- [ ] D) 18-4-2
- [ ] E) 6-19-22

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19 In a code, the word OVER is written 14-21-4-17. What is the code for ROOM?

- ☐ A) 20-17-17-15
- ☐ B) 22-19-19-17
- ☐ C) 17-14-14-12
- ☐ D) 16-13-13-11
- ☐ E) 9-12-12-14

---

20 In a code, the word REPLY is written 9-22-11-15-2. What is the code for POLAR?

- ☐ A) 11-11-15-26-9
- ☐ B) 11-12-15-26-9
- ☐ C) 48-45-36-3-54
- ☐ D) 19-18-15-4-21
- ☐ E) 11-13-15-26-9

---

21 In a code, the word SHAVE is written 24-13-6-27-10. What is the code for MIX?

- ☐ A) 18-13-29
- ☐ B) 18-14-29
- ☐ C) 13-9-24
- ☐ D) 12-8-23
- ☐ E) 18-15-29

---

22 In a code, the word JEANS is written 17-22-26-13-8. Which word does the code 19-26-18-9 stand for?

- ☐ A) TAPE
- ☐ B) PAIR
- ☐ C) HAIR
- ☐ D) LASH
- ☐ E) DAYS

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23 In a code, the word RING is written 15-6-11-4. What is the code for MEMO?

- ☐ A) 26-10-26-30
- ☐ B) 10-1-10-12
- ☐ C) 14-22-14-12
- ☐ D) 13-5-13-15
- ☐ E) 10-2-10-12

---

24 In a code, the word LOVE is written 14-17-24-7. What is the code for HIGH?

- ☐ A) 10-11-9-10
- ☐ B) 24-27-21-24
- ☐ C) 9-10-8-9
- ☐ D) 10-11-9-9
- ☐ E) 11-12-10-11

---

25 In a code, the word BOOK is written 6-19-19-15. Which word does the code 12-13-11-12 stand for?

- ☐ A) INCH
- ☐ B) BUSH
- ☐ C) HAVE
- ☐ D) HIGH
- ☐ E) HEEL

---

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

- ☐ A) 30-8-28-42
- ☐ B) 42-28-8-30
- ☐ C) 22-15-5-16
- ☐ D) 25-18-8-19
- ☐ E) 6-13-23-12

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27 In a code, the word CUP is written 2-20-15. What is the code for TOP?

- [ ] A) 19-13-15
- [ ] B) 15-14-19
- [ ] C) 19-14-15
- [ ] D) 18-13-14
- [ ] E) 60-45-48

---

28 In a code, the word JAY is written 14-5-29. What is the code for AGREE?

- [ ] A) 5-11-22-9-9
- [ ] B) 26-20-9-22-22
- [ ] C) 9-9-22-11-5
- [ ] D) 3-9-20-7-7
- [ ] E) 2-8-19-6-6

---

29 In a code, the word SORE is written 20-16-19-6. What is the code for FULL?

- [ ] A) 6-21-12-12
- [ ] B) 7-22-12-13
- [ ] C) 3-18-9-9
- [ ] D) 13-13-22-7
- [ ] E) 7-22-13-13

---

30 In a code, the word STEEP is written 23-24-9-9-20. Which word does the code 10-13-22-9 stand for?

- [ ] A) CORN
- [ ] B) GIVE
- [ ] C) HUGE
- [ ] D) FIRE
- [ ] E) YARD

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31 In a code, the word WAS is written 46-2-38. What is the code for WASP?

- [ ] A) 69-3-57-48
- [ ] B) 27-5-23-20
- [ ] C) 32-38-2-46
- [ ] D) 25-3-21-18
- [ ] E) 46-2-38-32

---

32 In a code, the word CRUMB is written 6-21-24-16-5. What is the code for POLKA?

- [ ] A) 19-18-15-14-4
- [ ] B) 20-19-16-15-5
- [ ] C) 32-30-24-22-2
- [ ] D) 21-20-17-16-6
- [ ] E) 11-12-15-16-26

---

33 In a code, the word LODGE is written 13-16-5-8-6. What is the code for LEVEL?

- [ ] A) 17-10-27-10-17
- [ ] B) 13-6-23-6-13
- [ ] C) 10-3-20-3-10
- [ ] D) 9-2-19-2-9
- [ ] E) 36-15-66-15-36

---

34 In a code, the word BENT is written 6-9-18-24. Which word does the code 18-13-7-15 stand for?

- [ ] A) LIMP
- [ ] B) LINK
- [ ] C) LILY
- [ ] D) NICK
- [ ] E) NICE

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35 In a code, the word WILD is written 27-13-16-8. What is the code for BUILD?

- [ ] A) 3-22-10-13-5
- [ ] B) 5-24-12-15-7
- [ ] C) 6-25-13-16-8
- [ ] D) 8-16-13-25-6
- [ ] E) 1-20-8-11-3

---

36 In a code, the word MONEY is written 14-16-15-6-26. Which word does the code 3-13-6-20-20 stand for?

- [ ] A) CHEST
- [ ] B) BLAME
- [ ] C) BLESS
- [ ] D) BURST
- [ ] E) BLUNT

---

37 In a code, the word GRIEF is written 5-16-7-3-4. What is the code for RINK?

- [ ] A) 16-7-12-9
- [ ] B) 21-12-17-14
- [ ] C) 22-13-18-15
- [ ] D) 18-9-14-11
- [ ] E) 9-18-13-16

---

38 In a code, the word CEASE is written 6-10-2-38-10. What is the code for CUTE?

- [ ] A) 6-42-39-10
- [ ] B) 24-6-7-22
- [ ] C) 8-26-25-10
- [ ] D) 6-24-23-8
- [ ] E) 6-42-40-10

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39 In a code, the word PEARL is written 48-15-3-54-36. What is the code for DARE?

- [ ] A) 8-5-22-9
- [ ] B) 12-3-54-15
- [ ] C) 15-54-3-12
- [ ] D) 12-3-53-15
- [ ] E) 9-6-23-10

---

40 In a code, the word TWICE is written 60-69-27-9-15. What is the code for YEW?

- [ ] A) 23-3-21
- [ ] B) 30-10-28
- [ ] C) 50-10-46
- [ ] D) 75-15-69
- [ ] E) 22-2-20

---

41 In a code, the word BLADE is written 4-14-3-6-7. What is the code for EAGLE?

- [ ] A) 7-3-9-14-7
- [ ] B) 9-5-11-16-9
- [ ] C) 5-1-7-12-5
- [ ] D) 10-2-14-24-10
- [ ] E) 15-3-21-36-15

---

42 In a code, the word DENT is written 8-10-28-40. What is the code for FLAP?

- [ ] A) 6-12-1-16
- [ ] B) 12-24-2-32
- [ ] C) 12-24-2-33
- [ ] D) 10-16-5-20
- [ ] E) 12-24-2-31

---

43 In a code, the word BELLY is written 4-10-24-24-50. What is the code for IDEAL?

- [ ] A) 10-5-6-2-13
- [ ] B) 18-8-10-2-25
- [ ] C) 18-8-10-2-24
- [ ] D) 11-6-7-3-14
- [ ] E) 12-7-8-4-15

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44 In a code, the word THEIR is written 19-7-4-8-17. What is the code for MIGHT?

- [ ] A) 17-13-11-12-24
- [ ] B) 26-18-14-16-40
- [ ] C) 19-7-6-8-12
- [ ] D) 14-18-20-19-7
- [ ] E) 12-8-6-7-19

---

45 In a code, the word THEIR is written 60-24-15-27-54. What is the code for START?

- [ ] A) 19-20-1-18-20
- [ ] B) 57-60-3-54-61
- [ ] C) 60-54-3-60-57
- [ ] D) 38-40-2-36-40
- [ ] E) 57-60-3-54-60

---

46 In a code, the word MADAM is written 17-5-8-5-17. What is the code for THEME?

- [ ] A) 24-12-9-16-9
- [ ] B) 60-24-15-39-15
- [ ] C) 24-12-9-17-9
- [ ] D) 40-16-10-26-10
- [ ] E) 7-19-22-14-22

---

47 In a code, the word CLUB is written 2-11-20-1. What is the code for TIME?

- [ ] A) 19-8-12-4
- [ ] B) 25-14-18-10
- [ ] C) 17-6-10-2
- [ ] D) 22-11-15-7
- [ ] E) 23-12-16-8

---

48 In a code, the word PARTY is written 20-5-22-24-29. What is the code for MAKE?

- [ ] A) 13-1-11-5
- [ ] B) 9-15-5-17
- [ ] C) 14-2-12-6
- [ ] D) 17-5-15-9
- [ ] E) 17-6-15-9

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49 If the code for PEN is 16-5-14, what is the code for BOX?

- A) 2-15-24
- B) 2-15-23
- C) 3-15-24
- D) 24-15-2
- E) 2-14-24

---

50 In a code, the word SPEAK is written 38-32-10-2-22. Which word does the code 36-2-6-10 stand for?

- A) SAME
- B) RACE
- C) RENT
- D) RELY
- E) BLUE

---

51 In a code, the word SAT is written 22-4-23. Which word does the code 26-18-21-14 stand for?

- A) DOCK
- B) SOAP
- C) WAND
- D) WEAR
- E) WORK

---

52 In a code, the word NIECE is written 16-11-7-5-7. What is the code for BLESS?

- A) 25-15-22-8-8
- B) 4-14-7-21-21
- C) 21-21-7-14-4
- D) 7-17-10-24-24
- E) 4-24-10-38-38

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53 In a code, the word POUCH is written 11-12-6-24-19. Which word does the code 7-9-26-2 stand for?

- ☐ A) BROW
- ☐ B) TRAY
- ☐ C) TONE
- ☐ D) TURN
- ☐ E) NEAT

---

54 In a code, the word LORD is written 13-16-19-5. Which word does the code 9-10-5-6 stand for?

- ☐ A) WIDE
- ☐ B) NICE
- ☐ C) GIVE
- ☐ D) HIDE
- ☐ E) HOPE

---

55 In a code, the word JEWEL is written 8-3-21-3-10. Which word does the code 14-13-16-1-6 stand for?

- ☐ A) HARSH
- ☐ B) PERIL
- ☐ C) PORCH
- ☐ D) TOUCH
- ☐ E) BIRTH

---

56 In a code, the word MORE is written 14-16-19-6. What is the code for BULL?

- ☐ A) 7-26-17-17
- ☐ B) 25-6-15-15
- ☐ C) 3-22-13-13
- ☐ D) 4-23-14-14
- ☐ E) 13-13-22-3

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57 In a code, the word VIDEO is written 44-18-8-10-30. What is the code for BUY?

- ☐ A) 7-26-30
- ☐ B) 6-63-75
- ☐ C) 4-23-27
- ☐ D) 50-42-4
- ☐ E) 4-42-50

---

58 In a code, the word WIRE is written 22-8-17-4. Which word does the code 2-20-17-4 stand for?

- ☐ A) VERY
- ☐ B) DOZE
- ☐ C) DUCK
- ☐ D) CURE
- ☐ E) MOLE

---

59 In a code, the word SQUID is written 8-10-6-18-23. What is the code for HERD?

- ☐ A) 12-9-22-8
- ☐ B) 9-6-19-5
- ☐ C) 19-22-9-23
- ☐ D) 23-9-22-19
- ☐ E) 16-10-36-8

---

60 In a code, the word SILLY is written 20-10-13-13-26. What is the code for CLOUD?

- ☐ A) 7-16-19-25-8
- ☐ B) 8-17-20-26-9
- ☐ C) 2-11-14-20-3
- ☐ D) 4-13-16-22-5
- ☐ E) 3-12-15-21-4

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61 In a code, the word BELLY is written 5-8-15-15-28. Which word does the code 8-12-10-11-23 stand for?

- [ ] A) EIGHT
- [ ] B) OUGHT
- [ ] C) EVENT
- [ ] D) RIGID
- [ ] E) LIGHT

---

62 In a code, the word SIXTH is written 8-18-3-7-19. What is the code for PAL?

- [ ] A) 18-3-14
- [ ] B) 48-3-36
- [ ] C) 11-26-15
- [ ] D) 12-26-15
- [ ] E) 17-2-13

---

63 In a code, the word COMIC is written 6-30-26-18-6. What is the code for HER?

- [ ] A) 13-10-23
- [ ] B) 16-10-36
- [ ] C) 5-2-15
- [ ] D) 12-9-22
- [ ] E) 8-5-18

---

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

- [ ] A) 20-21-2
- [ ] B) 40-42-4
- [ ] C) 19-20-1
- [ ] D) 25-26-7
- [ ] E) 60-63-6

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65 In a code, the word DEEP is written 7-8-8-19. Which word does the code 15-12-7 stand for?

- ☐ A) DON
- ☐ B) RAP
- ☐ C) LID
- ☐ D) DIP
- ☐ E) POT

---

66 In a code, the word RAVEN is written 20-3-24-7-16. What is the code for SWING?

- ☐ A) 22-25-11-16-9
- ☐ B) 22-26-12-17-10
- ☐ C) 18-22-8-13-6
- ☐ D) 8-4-18-13-20
- ☐ E) 21-25-11-16-9

---

67 In a code, the word BENCH is written 4-10-28-6-16. Which word does the code 30-36-10 stand for?

- ☐ A) BUS
- ☐ B) HUG
- ☐ C) COP
- ☐ D) ORE
- ☐ E) LOT

---

68 In a code, the word BRISK is written 6-54-27-57-33. Which word does the code 6-15-12 stand for?

- ☐ A) LID
- ☐ B) BED
- ☐ C) ATE
- ☐ D) SOW
- ☐ E) AND

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69 In a code, the word DANCE is written 23-26-13-24-22. What is the code for FANCY?

- [ ] A) 21-26-13-23-2
- [ ] B) 7-2-15-4-26
- [ ] C) 18-3-42-9-75
- [ ] D) 11-6-19-8-30
- [ ] E) 21-26-13-24-2

---

70 In a code, the word POUND is written 32-30-42-28-8. What is the code for GREAT?

- [ ] A) 14-36-10-2-40
- [ ] B) 7-18-5-1-20
- [ ] C) 14-36-11-2-40
- [ ] D) 10-21-8-4-23
- [ ] E) 8-19-6-2-21

---

71 In a code, the word RUSTY is written 54-63-57-60-75. What is the code for JELLY?

- [ ] A) 9-4-11-11-24
- [ ] B) 17-22-15-15-2
- [ ] C) 8-3-10-10-23
- [ ] D) 30-15-36-36-75
- [ ] E) 10-5-12-12-25

---

72 In a code, the word MEDAL is written 13-5-4-1-12. What is the code for STREW?

- [ ] A) 23-5-18-20-19
- [ ] B) 8-7-9-22-4
- [ ] C) 19-20-18-5-23
- [ ] D) 38-40-36-10-46
- [ ] E) 16-17-15-2-20

---

73 In a code, the word CHESS is written 24-19-22-8-8. What is the code for FIELD?

- [ ] A) 7-10-6-13-5
- [ ] B) 12-18-10-24-8
- [ ] C) 21-18-22-15-23
- [ ] D) 11-14-10-17-9
- [ ] E) 4-7-3-10-2

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74 In a code, the word TROT is written 19-17-14-19. Which word does the code 6-17-4-24 stand for?

- [ ] A) CROP
- [ ] B) BEEN
- [ ] C) TINY
- [ ] D) GREY
- [ ] E) URGE

---

75 In a code, the word JEWEL is written 17-22-4-22-15. What is the code for BUS?

- [ ] A) 5-24-22
- [ ] B) 4-42-38
- [ ] C) 25-6-8
- [ ] D) 25-7-8
- [ ] E) 6-63-57

---

76 In a code, the word MELON is written 39-15-36-45-42. What is the code for BAGGY?

- [ ] A) 6-3-22-21-75
- [ ] B) 4-2-14-14-50
- [ ] C) 6-3-21-21-75
- [ ] D) 7-6-12-12-30
- [ ] E) 5-4-10-10-28

---

77 In a code, the word DRUM is written 7-21-24-16. What is the code for CLUE?

- [ ] A) 1-10-19-3
- [ ] B) 6-15-24-8
- [ ] C) 6-24-42-10
- [ ] D) 3-12-21-5
- [ ] E) 6-16-24-8

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78 In a code, the word SIGH is written 18-8-6-7. What is the code for KEEN?

- ☐ A) 12-6-6-15
- ☐ B) 16-10-10-19
- ☐ C) 10-4-4-13
- ☐ D) 8-2-2-11
- ☐ E) 13-4-4-10

---

79 In a code, the word HARP is written 12-5-22-20. What is the code for TANGO?

- ☐ A) 24-5-18-11-19
- ☐ B) 24-4-18-11-19
- ☐ C) 25-6-19-12-20
- ☐ D) 20-1-14-7-15
- ☐ E) 21-2-15-8-16

---

80 In a code, the word LOVE is written 16-19-26-9. What is the code for CARD?

- ☐ A) 7-5-23-8
- ☐ B) 6-4-21-7
- ☐ C) 5-3-20-6
- ☐ D) 24-26-9-23
- ☐ E) 7-5-22-8

---

81 In a code, the word BABY is written 4-3-4-27. What is the code for FERN?

- ☐ A) 21-22-9-13
- ☐ B) 8-6-20-16
- ☐ C) 10-9-22-18
- ☐ D) 8-7-20-16
- ☐ E) 3-2-15-11

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82 In a code, the word CROWN is written 7-22-19-27-18. Which word does the code 17-13-18-25-23 stand for?

- [ ] A) MIGHT
- [ ] B) MINUS
- [ ] C) FINCH
- [ ] D) PINCH
- [ ] E) LINEN

---

83 In a code, the word MOON is written 15-17-17-16. What is the code for BLUE?

- [ ] A) 25-15-6-22
- [ ] B) 6-36-63-15
- [ ] C) 4-14-23-7
- [ ] D) 5-15-24-8
- [ ] E) 2-12-21-5

---

84 In a code, the word AGAIN is written 2-14-2-18-28. What is the code for COCOA?

- [ ] A) 6-30-6-30-2
- [ ] B) 6-18-6-18-4
- [ ] C) 2-30-6-30-6
- [ ] D) 24-12-24-12-26
- [ ] E) 3-15-3-15-1

---

85 In a code, the word EVERY is written 10-44-10-36-50. What is the code for DOLLS?

- [ ] A) 4-15-12-12-19
- [ ] B) 6-17-14-14-21
- [ ] C) 9-20-17-17-24
- [ ] D) 8-30-24-24-38
- [ ] E) 3-14-11-11-18

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86 In a code, the word HUNT is written 19-6-13-7. What is the code for BOOK?

- [ ] A) 25-13-12-16
- [ ] B) 25-12-12-16
- [ ] C) 25-11-12-16
- [ ] D) 2-15-15-11
- [ ] E) 6-45-45-33

---

87 In a code, the word WHITE is written 24-9-10-21-6. What is the code for CHEST?

- [ ] A) 21-20-6-9-4
- [ ] B) 8-13-10-24-25
- [ ] C) 9-24-15-57-60
- [ ] D) 6-16-10-38-40
- [ ] E) 4-9-6-20-21

---

88 In a code, the word HEART is written 16-10-2-36-40. What is the code for BOSS?

- [ ] A) 4-30-39-38
- [ ] B) 4-30-38-38
- [ ] C) 38-38-30-4
- [ ] D) 7-20-24-24
- [ ] E) 6-45-57-57

---

89 In a code, the word WAGON is written 24-2-8-16-15. Which word does the code 14-16-21-16-19 stand for?

- [ ] A) MOULD
- [ ] B) ROBOT
- [ ] C) MOTOR
- [ ] D) AFTER
- [ ] E) MOIST

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90 In a code, the word PENNY is written 14-3-12-12-23. What is the code for WILY?

- ☐ A) 22-8-11-24
- ☐ B) 69-27-36-75
- ☐ C) 25-11-14-27
- ☐ D) 21-7-10-23
- ☐ E) 23-10-7-21

---

91 In a code, the word HAIR is written 10-3-11-20. Which word does the code 18-3-14-7 stand for?

- ☐ A) BASE
- ☐ B) PALE
- ☐ C) NONE
- ☐ D) HATE
- ☐ E) CANE

---

92 In a code, the word FAULT is written 18-3-63-36-60. Which word does the code 60-45-63-54 stand for?

- ☐ A) TOUR
- ☐ B) THUD
- ☐ C) MOON
- ☐ D) MOSS
- ☐ E) TRAP

---

93 In a code, the word DODGE is written 3-14-3-6-4. What is the code for STUCK?

- ☐ A) 17-18-19-1-9
- ☐ B) 21-22-23-5-13
- ☐ C) 38-40-42-6-22
- ☐ D) 18-19-20-2-10
- ☐ E) 10-2-20-19-18

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94 In a code, the word MAY is written 14-26-2. Which word does the code 8-24-26-9-22 stand for?

- [ ] A) SHALL
- [ ] B) IMAGE
- [ ] C) SHAKE
- [ ] D) SWARM
- [ ] E) SCARE

---

95 In a code, the word OTHER is written 30-40-16-10-36. Which word does the code 26-2-40 stand for?

- [ ] A) HIM
- [ ] B) WAX
- [ ] C) SAC
- [ ] D) MAT
- [ ] E) TAX

---

96 In a code, the word WIG is written 46-18-14. What is the code for LOWER?

- [ ] A) 14-17-25-7-20
- [ ] B) 24-30-46-11-36
- [ ] C) 24-30-46-10-36
- [ ] D) 11-14-22-4-17
- [ ] E) 15-12-4-22-9

---

97 In a code, the word OFTEN is written 12-3-17-2-11. Which word does the code 13-6-17-22 stand for?

- [ ] A) WIFE
- [ ] B) PITY
- [ ] C) PACE
- [ ] D) WISE
- [ ] E) TILE

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98 In a code, the word COMIC is written 5-17-15-11-5. What is the code for SHALL?

- ☐ A) 21-10-2-14-14
- ☐ B) 8-19-26-15-15
- ☐ C) 23-12-5-16-16
- ☐ D) 24-13-6-17-17
- ☐ E) 21-10-3-14-14

---

99 In a code, the word LID is written 24-18-8. What is the code for WHICH?

- ☐ A) 46-16-18-6-16
- ☐ B) 46-16-18-6-17
- ☐ C) 26-11-12-6-11
- ☐ D) 16-6-18-16-46
- ☐ E) 46-16-18-6-15

---

100 In a code, the word BLUNT is written 6-16-25-18-24. What is the code for THIRD?

- ☐ A) 18-6-7-16-2
- ☐ B) 17-5-6-15-1
- ☐ C) 60-24-27-54-12
- ☐ D) 24-12-13-22-8
- ☐ E) 25-13-14-23-9

---

101 In a code, the word WHEN is written 23-8-5-14. Which word does the code 4-15-3-11 stand for?

- ☐ A) DOCK
- ☐ B) FOLK
- ☐ C) YOLK
- ☐ D) POND
- ☐ E) DART

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102 In a code, the word LIMIT is written 24-18-26-18-40. What is the code for HAPPY?

- [ ] A) 9-2-17-17-26
- [ ] B) 16-2-32-32-50
- [ ] C) 16-2-31-32-50
- [ ] D) 13-6-21-21-30
- [ ] E) 10-3-18-18-27

---

103 In a code, the word BAKER is written 6-3-33-15-54. What is the code for INK?

- [ ] A) 8-13-10
- [ ] B) 10-15-12
- [ ] C) 27-42-33
- [ ] D) 12-17-14
- [ ] E) 14-19-16

---

104 In a code, the word FOAM is written 10-19-5-17. Which word does the code 13-23-23-25-9 stand for?

- [ ] A) VALUE
- [ ] B) ISSUE
- [ ] C) TASTE
- [ ] D) QUEUE
- [ ] E) HASTE

---

105 In a code, the word CROWD is written 7-22-19-27-8. What is the code for THING?

- [ ] A) 24-12-12-18-11
- [ ] B) 25-13-14-19-12
- [ ] C) 20-8-9-14-7
- [ ] D) 24-12-13-18-11
- [ ] E) 21-9-10-15-8

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106 In a code, the word WHILE is written 46-16-18-24-10. Which word does the code 20-42-24-50 stand for?

- ☐ A) FURY
- ☐ B) WALK
- ☐ C) ABLE
- ☐ D) HUGE
- ☐ E) JULY

---

107 In a code, the word GUST is written 8-22-20-21. Which word does the code 27-16-15-6 stand for?

- ☐ A) ZONE
- ☐ B) TINY
- ☐ C) HONK
- ☐ D) NAME
- ☐ E) LONG

---

108 In a code, the word SNUG is written 8-13-6-20. Which word does the code 6-13-23-22-9 stand for?

- ☐ A) UNTIL
- ☐ B) OTHER
- ☐ C) PAPER
- ☐ D) UNDER
- ☐ E) NEVER

---

109 In a code, the word STY is written 21-22-27. Which word does the code 21-23-16 stand for?

- ☐ A) AIR
- ☐ B) SUN
- ☐ C) HAM
- ☐ D) PUP
- ☐ E) PIE

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110 In a code, the word RAY is written 9-26-2. What is the code for AND?

- [ ] A) 26-12-23
- [ ] B) 2-28-8
- [ ] C) 6-19-9
- [ ] D) 3-16-6
- [ ] E) 26-13-23

---

111 If the code for MILK is 13-9-12-11, what is the code for BIRD?

- [ ] A) 2-9-19-4
- [ ] B) 2-9-18-5
- [ ] C) 4-18-9-2
- [ ] D) 2-8-18-4
- [ ] E) 2-9-18-4

---

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

- [ ] A) 30-19-19-17
- [ ] B) 1-13-12-14
- [ ] C) 28-17-17-15
- [ ] D) 29-18-18-16
- [ ] E) 1-12-12-14

---

113 In a code, the word POWER is written 32-30-46-10-36. What is the code for ICING?

- [ ] A) 12-6-12-17-10
- [ ] B) 8-2-8-13-6
- [ ] C) 18-6-18-27-14
- [ ] D) 18-6-18-28-14
- [ ] E) 13-7-13-18-11

---

114 In a code, the word SYRUP is written 20-26-19-22-17. What is the code for BEECH?

- [ ] A) 3-5-6-4-9
- [ ] B) 4-10-10-6-16
- [ ] C) 4-7-7-5-10
- [ ] D) 3-7-6-4-9
- [ ] E) 3-6-6-4-9

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115 In a code, the word CAST is written 24-26-8-7. Which word does the code 15-18-13-22-9 stand for?

- [ ] A) LINER
- [ ] B) SUPER
- [ ] C) STEER
- [ ] D) LASER
- [ ] E) COVER

---

116 In a code, the word SMELL is written 19-13-5-12-12. What is the code for SILLY?

- [ ] A) 16-6-9-9-22
- [ ] B) 19-9-12-12-25
- [ ] C) 23-13-16-16-29
- [ ] D) 22-12-15-15-28
- [ ] E) 21-11-14-14-27

---

117 In a code, the word CRISP is written 7-22-13-23-20. What is the code for BUT?

- [ ] A) 6-63-60
- [ ] B) 6-25-24
- [ ] C) 5-24-23
- [ ] D) 1-20-19
- [ ] E) 3-22-21

---

118 In a code, the word SQUID is written 23-21-25-13-8. What is the code for LIFT?

- [ ] A) 15-12-9-23
- [ ] B) 36-27-18-60
- [ ] C) 24-10-13-16
- [ ] D) 16-13-10-24
- [ ] E) 9-6-3-17

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119 In a code, the word BLEND is written 6-36-15-42-12. What is the code for BUS?

- [ ] A) 6-63-57
- [ ] B) 1-20-18
- [ ] C) 4-23-21
- [ ] D) 2-21-19
- [ ] E) 7-26-24

---

120 If the code for FISH is 6-9-19-8, what is the code for CORN?

- [ ] A) 3-15-18-13
- [ ] B) 14-18-15-3
- [ ] C) 3-15-18-14
- [ ] D) 4-15-18-14
- [ ] E) 3-16-18-14

---

121 In a code, the word START is written 21-22-3-20-22. What is the code for RUSTY?

- [ ] A) 36-42-38-40-50
- [ ] B) 20-23-21-21-27
- [ ] C) 27-22-21-23-20
- [ ] D) 20-23-21-22-27
- [ ] E) 19-22-20-21-26

---

122 In a code, the word ION is written 12-18-17. What is the code for MORAL?

- [ ] A) 14-16-19-2-13
- [ ] B) 16-18-21-4-15
- [ ] C) 18-20-23-6-17
- [ ] D) 15-4-21-18-16
- [ ] E) 15-17-20-3-14

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123 In a code, the word RINK is written 23-14-19-16. Which word does the code 24-10-17-17 stand for?

- [ ] A) SORE
- [ ] B) DESK
- [ ] C) LILY
- [ ] D) SELL
- [ ] E) SWAP

---

124 In a code, the word ARISE is written 26-9-18-8-22. Which word does the code 23-9-18-11 stand for?

- [ ] A) DENT
- [ ] B) CLAP
- [ ] C) DRIP
- [ ] D) KNIT
- [ ] E) THIN

---

125 In a code, the word HOLY is written 7-14-11-24. What is the code for SKIP?

- [ ] A) 19-10-8-15
- [ ] B) 8-16-18-11
- [ ] C) 21-13-11-18
- [ ] D) 20-12-10-17
- [ ] E) 18-10-8-15

---

126 In a code, the word MAPLE is written 14-26-11-15-22. What is the code for WHEN?

- [ ] A) 27-12-9-18
- [ ] B) 21-6-3-12
- [ ] C) 26-11-8-17
- [ ] D) 4-19-22-13
- [ ] E) 23-8-5-14

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127 In a code, the word WHY is written 21-6-23. What is the code for PLUMP?

- [ ] A) 14-10-19-11-14
- [ ] B) 17-13-22-14-17
- [ ] C) 14-11-19-10-14
- [ ] D) 21-17-26-18-21
- [ ] E) 11-15-6-14-11

---

128 In a code, the word MEET is written 10-2-2-17. What is the code for DRIP?

- [ ] A) 12-54-27-48
- [ ] B) 1-15-6-13
- [ ] C) 2-15-6-13
- [ ] D) 5-19-10-17
- [ ] E) 8-36-18-32

---

129 If the code for ROAD is 18-15-1-4, what is the code for GATE?

- [ ] A) 7-1-20-5
- [ ] B) 7-1-20-4
- [ ] C) 8-1-20-5
- [ ] D) 5-20-1-7
- [ ] E) 7-1-19-5

---

130 In a code, the word HURT is written 13-26-23-25. What is the code for CARGO?

- [ ] A) 8-6-23-12-20
- [ ] B) 24-26-9-20-12
- [ ] C) 6-4-21-10-18
- [ ] D) 5-3-20-9-17
- [ ] E) 8-6-22-12-20

---

131 In a code, the word SMALL is written 19-13-1-12-12. What is the code for STYLE?

- [ ] A) 17-18-23-10-3
- [ ] B) 23-24-29-16-9
- [ ] C) 19-20-25-12-5
- [ ] D) 22-23-28-15-8
- [ ] E) 19-20-25-13-5

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132 In a code, the word HOLE is written 11-18-15-8. What is the code for TYPE?

- [ ] A) 24-29-20-9
- [ ] B) 20-25-16-5
- [ ] C) 40-50-32-10
- [ ] D) 23-28-19-8
- [ ] E) 21-26-17-6

---

133 In a code, the word EAGER is written 10-2-14-10-36. What is the code for ASIDE?

- [ ] A) 2-38-19-8-10
- [ ] B) 5-23-13-8-9
- [ ] C) 4-22-12-7-8
- [ ] D) 6-24-14-9-10
- [ ] E) 2-38-18-8-10

---

134 In a code, the word BONY is written 5-18-17-28. What is the code for STAIR?

- [ ] A) 19-20-1-9-18
- [ ] B) 57-60-3-27-54
- [ ] C) 20-21-2-10-19
- [ ] D) 22-23-4-12-21
- [ ] E) 23-24-5-13-22

---

135 In a code, the word LEAST is written 12-5-1-19-20. Which word does the code 2-12-15-15-4 stand for?

- [ ] A) BLOOD
- [ ] B) BOARD
- [ ] C) ALLOW
- [ ] D) CLOSE
- [ ] E) CLOTH

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136 In a code, the word COST is written 1-13-17-18. What is the code for SHIRT?

- [ ] A) 16-5-6-15-17
- [ ] B) 18-7-8-17-19
- [ ] C) 21-10-11-20-22
- [ ] D) 20-9-10-19-21
- [ ] E) 17-6-7-16-18

---

137 In this code, each letter's alphabet position has 2 added to it. Using this rule, the code for CAT is 5-3-22. What is the code for DOG?

- [ ] A) 4-15-7
- [ ] B) 6-18-9
- [ ] C) 6-17-9
- [ ] D) 9-17-6
- [ ] E) 6-17-11

---

138 In a code, the word GEL is written 10-8-15. Which word does the code 19-4-17-22-28 stand for?

- [ ] A) PANSY
- [ ] B) PANIC
- [ ] C) WAIST
- [ ] D) PANDA
- [ ] E) HAPPY

---

139 In a code, the word MAD is written 14-2-5. What is the code for RIB?

- [ ] A) 18-9-2
- [ ] B) 19-10-3
- [ ] C) 3-10-19
- [ ] D) 9-18-25
- [ ] E) 22-13-6

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140 In a code, the word WON is written 27-19-18. What is the code for BED?

- [ ] A) 4-10-8
- [ ] B) 6-15-12
- [ ] C) 6-10-8
- [ ] D) 1-4-3
- [ ] E) 6-9-8

---

141 In a code, the word LOOP is written 15-12-12-11. What is the code for TAX?

- [ ] A) 25-6-29
- [ ] B) 23-4-27
- [ ] C) 8-26-3
- [ ] D) 7-26-3
- [ ] E) 3-26-7

---

142 In a code, the word CHIMP is written 4-9-10-14-17. What is the code for LATER?

- [ ] A) 16-5-24-9-22
- [ ] B) 13-2-20-6-19
- [ ] C) 15-4-23-8-21
- [ ] D) 13-2-21-6-19
- [ ] E) 17-6-25-10-23

---

143 In a code, the word OUTER is written 12-18-17-2-15. What is the code for POND?

- [ ] A) 32-30-28-8
- [ ] B) 20-19-18-8
- [ ] C) 13-12-11-1
- [ ] D) 48-45-42-12
- [ ] E) 16-15-14-4

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144 In a code, the word MOLE is written 12-14-11-4. Which word does the code 2-11-14-6 stand for?

- [ ] A) CLOG
- [ ] B) STOP
- [ ] C) KNOW
- [ ] D) CAGE
- [ ] E) CLAM

---

145 In a code, the word DRYER is written 1-15-22-2-15. What is the code for RISK?

- [ ] A) 16-7-17-9
- [ ] B) 36-18-38-22
- [ ] C) 54-27-57-33
- [ ] D) 15-6-16-8
- [ ] E) 17-8-18-10

---

146 In a code, the word CLOSE is written 6-24-30-38-10. What is the code for ISSUE?

- [ ] A) 19-38-38-42-10
- [ ] B) 18-38-38-42-10
- [ ] C) 8-18-18-20-4
- [ ] D) 9-19-19-21-5
- [ ] E) 27-57-57-63-15

---

147 In a code, the word ZIP is written 24-7-14. Which word does the code 18-7-11-3 stand for?

- [ ] A) DARE
- [ ] B) WIFE
- [ ] C) TRAM
- [ ] D) TEAM
- [ ] E) TIME

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148 In a code, the word TOWER is written 21-16-24-6-19. What is the code for ARMED?

- [ ] A) 3-54-39-15-12
- [ ] B) 6-23-18-10-9
- [ ] C) 2-36-26-10-8
- [ ] D) 3-20-15-7-6
- [ ] E) 2-19-14-6-5

---

149 In a code, the word QUAKE is written 20-24-4-14-8. What is the code for BURN?

- [ ] A) 17-21-24-5
- [ ] B) 1-20-17-13
- [ ] C) 5-24-21-17
- [ ] D) 6-24-21-17
- [ ] E) 6-63-54-42

---

150 In a code, the word WOOD is written 4-12-12-23. What is the code for COSY?

- [ ] A) 8-20-24-30
- [ ] B) 24-12-8-2
- [ ] C) 4-16-20-26
- [ ] D) 9-45-57-75
- [ ] E) 6-30-38-50

---

151 In a code, the word VERB is written 24-7-20-4. What is the code for WRAP?

- [ ] A) 24-19-2-17
- [ ] B) 25-20-3-18
- [ ] C) 25-19-3-18
- [ ] D) 4-9-26-11
- [ ] E) 69-54-3-48

---

152 In a code, the word LUCKY is written 15-6-24-16-2. What is the code for FEEL?

- [ ] A) 18-15-15-36
- [ ] B) 8-7-7-14
- [ ] C) 9-8-8-15
- [ ] D) 6-5-5-12
- [ ] E) 21-22-22-15

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153 In a code, the word KEG is written 14-8-10. Which word does the code 19-18-24-6-11 stand for?

- [ ] A) POUCH
- [ ] B) BLUSH
- [ ] C) RANCH
- [ ] D) TORCH
- [ ] E) POLAR

---

154 In a code, the word BOAST is written 6-19-5-23-24. Which word does the code 6-9-5-22 stand for?

- [ ] A) BEAT
- [ ] B) SLAP
- [ ] C) BEAR
- [ ] D) GNAT
- [ ] E) PAIR

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Mark scheme · 3.20 Number Codes: 2-hour Pack

Question 1

C) 10-19-22-15 - each letter's alphabet position has 4 added to it: FORK becomes 10-19-22-15 **B1**

Answer: C) 10-19-22-15

Question 2

B) SUPER - each letter's alphabet position has 3 added to it: 22-24-19-8-21 decodes to SUPER **B1**

Answer: B) SUPER

Question 3

D) 24-15-12-24-16 - the alphabet is reversed: A=26, B=25 ... Z=1: CLOCK becomes 24-15-12-24-16 **B1**

Answer: D) 24-15-12-24-16

Question 4

D) ROSE - the rule is alphabet position minus 1, so decode by adding 1 first (17+1=18=R, 14+1=15=O, 18+1=19=S, 4+1=5=E) cao **B1**

Answer: D) ROSE

Question 5

C) 15-14-3-5 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): ONCE becomes 15-14-3-5 **B1**

Answer: C) 15-14-3-5

Question 6

A) 17-3-10-10 - 2 is subtracted from each letter's alphabet position: SELL becomes 17-3-10-10 **B1**

Answer: A) 17-3-10-10

Question 7

D) 13-10-6-27-30 - each letter's alphabet position has 5 added to it: HEAVY becomes 13-10-6-27-30 **B1**

Answer: D) 13-10-6-27-30

Question 8

B) CHAIR - each letter's alphabet position is doubled: 6-16-2-18-36 decodes to CHAIR **B1**

Answer: B) CHAIR

Question 9

E) 4-7-7-16 - each letter's alphabet position has 2 added to it: BEEN becomes 4-7-7-16 **B1**

Answer: E) 4-7-7-16

Question 10

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

Answer: C) 30-2-36

Question 11

D) 10-19-25-22 - each letter's alphabet position has 4 added to it: FOUR becomes 10-19-25-22 **B1**

Answer: D) 10-19-25-22

Question 12

E) 21-12-10 - each letter's alphabet position has 3 added to it: RIG becomes 21-12-10 **B1**

Answer: E) 21-12-10

Question 13

C) GOLD - counting from the end of the alphabet, each digit d gives the letter in position (27-d): 27-20=7=G, 27-12=15=O, 27-15=12=L, 27-23=4=D cao **B1**

Answer: C) GOLD

Question 14

B) 23-7-5-16-9 - each letter's alphabet position has 4 added to it: SCALE becomes 23-7-5-16-9 **B1**

Answer: B) 23-7-5-16-9

Question 15

B) 11-9-23-9 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): KIWI becomes 11-9-23-9 **B1**

Answer: B) 11-9-23-9

Question 16

D) 5-24-16-5-23 - each letter's alphabet position has 4 added to it: ATLAS becomes 5-24-16-5-23 **B1**

Answer: D) 5-24-16-5-23

Question 17

A) BUNCH - each letter's alphabet position has 4 added to it: 6-25-18-7-12 decodes to BUNCH **B1**

Answer: A) BUNCH

Question 18

B) 18-5-2 - the alphabet is reversed: A=26, B=25 ... Z=1: IVY becomes 18-5-2 **B1**

Answer: B) 18-5-2

Question 19

C) 17-14-14-12 - 1 is subtracted from each letter's alphabet position: ROOM becomes 17-14-14-12 **B1**

Answer: C) 17-14-14-12

Question 20

B) 11-12-15-26-9 - the alphabet is reversed: A=26, B=25 ... Z=1: POLAR becomes 11-12-15-26-9 **B1**

Answer: B) 11-12-15-26-9

Question 21

B) 18-14-29 - each letter's alphabet position has 5 added to it: MIX becomes 18-14-29 **B1**

Answer: B) 18-14-29

Question 22

C) HAIR - the alphabet is reversed: A=26, B=25 ... Z=1: 19-26-18-9 decodes to HAIR **B1**

Answer: C) HAIR

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Question 23

E) 10-2-10-12 - 3 is subtracted from each letter's alphabet position: MEMO becomes 10-2-10-12 **B1**

Answer: E) 10-2-10-12

Question 24

A) 10-11-9-10 - each letter's alphabet position has 2 added to it: HIGH becomes 10-11-9-10 **B1**

Answer: A) 10-11-9-10

Question 25

D) HIGH - each letter's alphabet position has 4 added to it: 12-13-11-12 decodes to HIGH **B1**

Answer: D) HIGH

Question 26

B) 42-28-8-30 - each letter's alphabet position is doubled: UNDO becomes 42-28-8-30 **B1**

Answer: B) 42-28-8-30

Question 27

C) 19-14-15 - 1 is subtracted from each letter's alphabet position: TOP becomes 19-14-15 **B1**

Answer: C) 19-14-15

Question 28

A) 5-11-22-9-9 - each letter's alphabet position has 4 added to it: AGREE becomes 5-11-22-9-9 **B1**

Answer: A) 5-11-22-9-9

Question 29

E) 7-22-13-13 - each letter's alphabet position has 1 added to it: FULL becomes 7-22-13-13 **B1**

Answer: E) 7-22-13-13

Question 30

D) FIRE - each letter's alphabet position has 4 added to it: 10-13-22-9 decodes to FIRE **B1**

Answer: D) FIRE

Question 31

E) 46-2-38-32 - each letter's alphabet position is doubled: WASP becomes 46-2-38-32 **B1**

Answer: E) 46-2-38-32

Question 32

A) 19-18-15-14-4 - each letter's alphabet position has 3 added to it: POLKA becomes 19-18-15-14-4 **B1**

Answer: A) 19-18-15-14-4

Question 33

B) 13-6-23-6-13 - each letter's alphabet position has 1 added to it: LEVEL becomes 13-6-23-6-13 **B1**

Answer: B) 13-6-23-6-13

Question 34

D) NICK - each letter's alphabet position has 4 added to it: 18-13-7-15 decodes to NICK **B1**

Answer: D) NICK

Question 35

C) 6-25-13-16-8 - each letter's alphabet position has 4 added to it: BUILD becomes 6-25-13-16-8 **B1**

Answer: C) 6-25-13-16-8

Question 36

C) BLESS - each letter's alphabet position has 1 added to it: 3-13-6-20-20 decodes to BLESS **B1**

Answer: C) BLESS

Question 37

A) 16-7-12-9 - 2 is subtracted from each letter's alphabet position: RINK becomes 16-7-12-9 **B1**

Answer: A) 16-7-12-9

Question 38

E) 6-42-40-10 - each letter's alphabet position is doubled: CUTE becomes 6-42-40-10 **B1**

Answer: E) 6-42-40-10

Question 39

B) 12-3-54-15 - each letter's alphabet position is multiplied by 3: DARE becomes 12-3-54-15 **B1**

Answer: B) 12-3-54-15

Question 40

D) 75-15-69 - each letter's alphabet position is multiplied by 3: YEW becomes 75-15-69 **B1**

Answer: D) 75-15-69

Question 41

A) 7-3-9-14-7 - each letter's alphabet position has 2 added to it: EAGLE becomes 7-3-9-14-7 **B1**

Answer: A) 7-3-9-14-7

Question 42

B) 12-24-2-32 - each letter's alphabet position is doubled: FLAP becomes 12-24-2-32 **B1**

Answer: B) 12-24-2-32

Question 43

C) 18-8-10-2-24 - each letter's alphabet position is doubled: IDEAL becomes 18-8-10-2-24 **B1**

Answer: C) 18-8-10-2-24

Question 44

E) 12-8-6-7-19 - 1 is subtracted from each letter's alphabet position: MIGHT becomes 12-8-6-7-19 **B1**

Answer: E) 12-8-6-7-19

Question 45

E) 57-60-3-54-60 - each letter's alphabet position is multiplied by 3: START becomes 57-60-3-54-60 **B1**

Answer: E) 57-60-3-54-60

Question 46

C) 24-12-9-17-9 - each letter's alphabet position has 4 added to it: THEME becomes 24-12-9-17-9 **B1**

Answer: C) 24-12-9-17-9

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Question 47

A) 19-8-12-4 - 1 is subtracted from each letter's alphabet position: TIME becomes 19-8-12-4 **B1**

Answer: A) 19-8-12-4

Question 48

D) 17-5-15-9 - each letter's alphabet position has 4 added to it: MAKE becomes 17-5-15-9 **B1**

Answer: D) 17-5-15-9

Question 49

A) 2-15-24 - each letter replaced by its alphabet position (B=2, O=15, X=24) cao **B1**

Answer: A) 2-15-24

Question 50

B) RACE - each letter's alphabet position is doubled: 36-2-6-10 decodes to RACE **B1**

Answer: B) RACE

Question 51

E) WORK - each letter's alphabet position has 3 added to it: 26-18-21-14 decodes to WORK **B1**

Answer: E) WORK

Question 52

B) 4-14-7-21-21 - each letter's alphabet position has 2 added to it: BLESS becomes 4-14-7-21-21 **B1**

Answer: B) 4-14-7-21-21

Question 53

B) TRAY - the alphabet is reversed: A=26, B=25 ... Z=1: 7-9-26-2 decodes to TRAY **B1**

Answer: B) TRAY

Question 54

D) HIDE - each letter's alphabet position has 1 added to it: 9-10-5-6 decodes to HIDE **B1**

Answer: D) HIDE

Question 55

C) PORCH - 2 is subtracted from each letter's alphabet position: 14-13-16-1-6 decodes to PORCH **B1**

Answer: C) PORCH

Question 56

C) 3-22-13-13 - each letter's alphabet position has 1 added to it: BULL becomes 3-22-13-13 **B1**

Answer: C) 3-22-13-13

Question 57

E) 4-42-50 - each letter's alphabet position is doubled: BUY becomes 4-42-50 **B1**

Answer: E) 4-42-50

Question 58

D) CURE - 1 is subtracted from each letter's alphabet position: 2-20-17-4 decodes to CURE **B1**

Answer: D) CURE

Question 59

C) 19-22-9-23 - the alphabet is reversed: A=26, B=25 ... Z=1: HERD becomes 19-22-9-23 **B1**

Answer: C) 19-22-9-23

Question 60

D) 4-13-16-22-5 - each letter's alphabet position has 1 added to it: CLOUD becomes 4-13-16-22-5 **B1**

Answer: D) 4-13-16-22-5

Question 61

A) EIGHT - each letter's alphabet position has 3 added to it: 8-12-10-11-23 decodes to EIGHT **B1**

Answer: A) EIGHT

Question 62

C) 11-26-15 - the alphabet is reversed: A=26, B=25 ... Z=1: PAL becomes 11-26-15 **B1**

Answer: C) 11-26-15

Question 63

B) 16-10-36 - each letter's alphabet position is doubled: HER becomes 16-10-36 **B1**

Answer: B) 16-10-36

Question 64

B) 40-42-4 - each letter's alphabet position is doubled: TUB becomes 40-42-4 **B1**

Answer: B) 40-42-4

Question 65

C) LID - each letter's alphabet position has 3 added to it: 15-12-7 decodes to LID **B1**

Answer: C) LID

Question 66

E) 21-25-11-16-9 - each letter's alphabet position has 2 added to it: SWING becomes 21-25-11-16-9 **B1**

Answer: E) 21-25-11-16-9

Question 67

D) ORE - each letter's alphabet position is doubled: 30-36-10 decodes to ORE **B1**

Answer: D) ORE

Question 68

B) BED - each letter's alphabet position is multiplied by 3: 6-15-12 decodes to BED **B1**

Answer: B) BED

Question 69

E) 21-26-13-24-2 - the alphabet is reversed: A=26, B=25 ... Z=1: FANCY becomes 21-26-13-24-2 **B1**

Answer: E) 21-26-13-24-2

Question 70

A) 14-36-10-2-40 - each letter's alphabet position is doubled: GREAT becomes 14-36-10-2-40 **B1**

Answer: A) 14-36-10-2-40

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Question 71

D) 30-15-36-36-75 - each letter's alphabet position is multiplied by 3: JELLY becomes 30-15-36-36-75 **B1**

Answer: D) 30-15-36-36-75

Question 72

C) 19-20-18-5-23 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): STREW becomes 19-20-18-5-23 **B1**

Answer: C) 19-20-18-5-23

Question 73

C) 21-18-22-15-23 - the alphabet is reversed: A=26, B=25 ... Z=1: FIELD becomes 21-18-22-15-23 **B1**

Answer: C) 21-18-22-15-23

Question 74

D) GREY - 1 is subtracted from each letter's alphabet position: 6-17-4-24 decodes to GREY **B1**

Answer: D) GREY

Question 75

C) 25-6-8 - the alphabet is reversed: A=26, B=25 ... Z=1: BUS becomes 25-6-8 **B1**

Answer: C) 25-6-8

Question 76

C) 6-3-21-21-75 - each letter's alphabet position is multiplied by 3: BAGGY becomes 6-3-21-21-75 **B1**

Answer: C) 6-3-21-21-75

Question 77

B) 6-15-24-8 - each letter's alphabet position has 3 added to it: CLUE becomes 6-15-24-8 **B1**

Answer: B) 6-15-24-8

Question 78

C) 10-4-4-13 - 1 is subtracted from each letter's alphabet position: KEEN becomes 10-4-4-13 **B1**

Answer: C) 10-4-4-13

Question 79

A) 24-5-18-11-19 - each letter's alphabet position has 4 added to it: TANGO becomes 24-5-18-11-19 **B1**

Answer: A) 24-5-18-11-19

Question 80

E) 7-5-22-8 - each letter's alphabet position has 4 added to it: CARD becomes 7-5-22-8 **B1**

Answer: E) 7-5-22-8

Question 81

D) 8-7-20-16 - each letter's alphabet position has 2 added to it: FERN becomes 8-7-20-16 **B1**

Answer: D) 8-7-20-16

Question 82

B) MINUS - each letter's alphabet position has 4 added to it: 17-13-18-25-23 decodes to MINUS **B1**

Answer: B) MINUS

Question 83

C) 4-14-23-7 - each letter's alphabet position has 2 added to it: BLUE becomes 4-14-23-7 **B1**

Answer: C) 4-14-23-7

Question 84

A) 6-30-6-30-2 - each letter's alphabet position is doubled: COCOA becomes 6-30-6-30-2 **B1**

Answer: A) 6-30-6-30-2

Question 85

D) 8-30-24-24-38 - each letter's alphabet position is doubled: DOLLS becomes 8-30-24-24-38 **B1**

Answer: D) 8-30-24-24-38

Question 86

B) 25-12-12-16 - the alphabet is reversed: A=26, B=25 ... Z=1: BOOK becomes 25-12-12-16 **B1**

Answer: B) 25-12-12-16

Question 87

E) 4-9-6-20-21 - each letter's alphabet position has 1 added to it: CHEST becomes 4-9-6-20-21 **B1**

Answer: E) 4-9-6-20-21

Question 88

B) 4-30-38-38 - each letter's alphabet position is doubled: BOSS becomes 4-30-38-38 **B1**

Answer: B) 4-30-38-38

Question 89

C) MOTOR - each letter's alphabet position has 1 added to it: 14-16-21-16-19 decodes to MOTOR **B1**

Answer: C) MOTOR

Question 90

D) 21-7-10-23 - 2 is subtracted from each letter's alphabet position: WILY becomes 21-7-10-23 **B1**

Answer: D) 21-7-10-23

Question 91

B) PALE - each letter's alphabet position has 2 added to it: 18-3-14-7 decodes to PALE **B1**

Answer: B) PALE

Question 92

A) TOUR - each letter's alphabet position is multiplied by 3: 60-45-63-54 decodes to TOUR **B1**

Answer: A) TOUR

Question 93

D) 18-19-20-2-10 - 1 is subtracted from each letter's alphabet position: STUCK becomes 18-19-20-2-10 **B1**

Answer: D) 18-19-20-2-10

Question 94

E) SCARE - the alphabet is reversed: A=26, B=25 ... Z=1: 8-24-26-9-22 decodes to SCARE **B1**

Answer: E) SCARE

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Question 95

D) MAT - each letter's alphabet position is doubled: 26-2-40 decodes to MAT **B1**

Answer: D) MAT

Question 96

C) 24-30-46-10-36 - each letter's alphabet position is doubled: LOWER becomes 24-30-46-10-36 **B1**

Answer: C) 24-30-46-10-36

Question 97

B) PITY - 3 is subtracted from each letter's alphabet position: 13-6-17-22 decodes to PITY **B1**

Answer: B) PITY

Question 98

E) 21-10-3-14-14 - each letter's alphabet position has 2 added to it: SHALL becomes 21-10-3-14-14 **B1**

Answer: E) 21-10-3-14-14

Question 99

A) 46-16-18-6-16 - each letter's alphabet position is doubled: WHICH becomes 46-16-18-6-16 **B1**

Answer: A) 46-16-18-6-16

Question 100

D) 24-12-13-22-8 - each letter's alphabet position has 4 added to it: THIRD becomes 24-12-13-22-8 **B1**

Answer: D) 24-12-13-22-8

Question 101

A) DOCK - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): 4-15-3-11 decodes to DOCK **B1**

Answer: A) DOCK

Question 102

B) 16-2-32-32-50 - each letter's alphabet position is doubled: HAPPY becomes 16-2-32-32-50 **B1**

Answer: B) 16-2-32-32-50

Question 103

C) 27-42-33 - each letter's alphabet position is multiplied by 3: INK becomes 27-42-33 **B1**

Answer: C) 27-42-33

Question 104

B) ISSUE - each letter's alphabet position has 4 added to it: 13-23-23-25-9 decodes to ISSUE **B1**

Answer: B) ISSUE

Question 105

D) 24-12-13-18-11 - each letter's alphabet position has 4 added to it: THING becomes 24-12-13-18-11 **B1**

Answer: D) 24-12-13-18-11

Question 106

E) JULY - each letter's alphabet position is doubled: 20-42-24-50 decodes to JULY **B1**

Answer: E) JULY

Question 107

A) ZONE - each letter's alphabet position has 1 added to it: 27-16-15-6 decodes to ZONE **B1**

Answer: A) ZONE

Question 108

D) UNDER - the alphabet is reversed: A=26, B=25 ... Z=1: 6-13-23-22-9 decodes to UNDER **B1**

Answer: D) UNDER

Question 109

B) SUN - each letter's alphabet position has 2 added to it: 21-23-16 decodes to SUN **B1**

Answer: B) SUN

Question 110

E) 26-13-23 - the alphabet is reversed: A=26, B=25 ... Z=1: AND becomes 26-13-23 **B1**

Answer: E) 26-13-23

Question 111

E) 2-9-18-4 - each letter replaced by its alphabet position (B=2, I=9, R=18, D=4) cao **B1**

Answer: E) 2-9-18-4

Question 112

E) 1-12-12-14 - the alphabet is reversed: A=26, B=25 ... Z=1: ZOOM becomes 1-12-12-14 **B1**

Answer: E) 1-12-12-14

Question 113

D) 18-6-18-28-14 - each letter's alphabet position is doubled: ICING becomes 18-6-18-28-14 **B1**

Answer: D) 18-6-18-28-14

Question 114

E) 3-6-6-4-9 - each letter's alphabet position has 1 added to it: BEECH becomes 3-6-6-4-9 **B1**

Answer: E) 3-6-6-4-9

Question 115

A) LINER - the alphabet is reversed: A=26, B=25 ... Z=1: 15-18-13-22-9 decodes to LINER **B1**

Answer: A) LINER

Question 116

B) 19-9-12-12-25 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): SILLY becomes 19-9-12-12-25 **B1**

Answer: B) 19-9-12-12-25

Question 117

B) 6-25-24 - each letter's alphabet position has 4 added to it: BUT becomes 6-25-24 **B1**

Answer: B) 6-25-24

Question 118

D) 16-13-10-24 - each letter's alphabet position has 4 added to it: LIFT becomes 16-13-10-24 **B1**

Answer: D) 16-13-10-24

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Question 119

A) 6-63-57 - each letter's alphabet position is multiplied by 3: BUS becomes 6-63-57 **B1**

Answer: A) 6-63-57

Question 120

C) 3-15-18-14 - each letter replaced by its alphabet position (C=3, O=15, R=18, N=14) cao **B1**

Answer: C) 3-15-18-14

Question 121

D) 20-23-21-22-27 - each letter's alphabet position has 2 added to it: RUSTY becomes 20-23-21-22-27 **B1**

Answer: D) 20-23-21-22-27

Question 122

B) 16-18-21-4-15 - each letter's alphabet position has 3 added to it: MORAL becomes 16-18-21-4-15 **B1**

Answer: B) 16-18-21-4-15

Question 123

D) SELL - each letter's alphabet position has 5 added to it: 24-10-17-17 decodes to SELL **B1**

Answer: D) SELL

Question 124

C) DRIP - the alphabet is reversed: A=26, B=25 ... Z=1: 23-9-18-11 decodes to DRIP **B1**

Answer: C) DRIP

Question 125

E) 18-10-8-15 - 1 is subtracted from each letter's alphabet position: SKIP becomes 18-10-8-15 **B1**

Answer: E) 18-10-8-15

Question 126

D) 4-19-22-13 - the alphabet is reversed: A=26, B=25 ... Z=1: WHEN becomes 4-19-22-13 **B1**

Answer: D) 4-19-22-13

Question 127

A) 14-10-19-11-14 - 2 is subtracted from each letter's alphabet position: PLUMP becomes 14-10-19-11-14 **B1**

Answer: A) 14-10-19-11-14

Question 128

B) 1-15-6-13 - 3 is subtracted from each letter's alphabet position: DRIP becomes 1-15-6-13 **B1**

Answer: B) 1-15-6-13

Question 129

A) 7-1-20-5 - each letter replaced by its alphabet position (G=7, A=1, T=20, E=5) cao **B1**

Answer: A) 7-1-20-5

Question 130

A) 8-6-23-12-20 - each letter's alphabet position has 5 added to it: CARGO becomes 8-6-23-12-20 **B1**

Answer: A) 8-6-23-12-20

Question 131

C) 19-20-25-12-5 - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): STYLE becomes 19-20-25-12-5 **B1**

Answer: C) 19-20-25-12-5

Question 132

D) 23-28-19-8 - each letter's alphabet position has 3 added to it: TYPE becomes 23-28-19-8 **B1**

Answer: D) 23-28-19-8

Question 133

E) 2-38-18-8-10 - each letter's alphabet position is doubled: ASIDE becomes 2-38-18-8-10 **B1**

Answer: E) 2-38-18-8-10

Question 134

D) 22-23-4-12-21 - each letter's alphabet position has 3 added to it: STAIR becomes 22-23-4-12-21 **B1**

Answer: D) 22-23-4-12-21

Question 135

A) BLOOD - each letter is replaced by its place in the alphabet (A=1, B=2 ... Z=26): 2-12-15-15-4 decodes to BLOOD **B1**

Answer: A) BLOOD

Question 136

E) 17-6-7-16-18 - 2 is subtracted from each letter's alphabet position: SHIRT becomes 17-6-7-16-18 **B1**

Answer: E) 17-6-7-16-18

Question 137

C) 6-17-9 - alphabet position plus 2 for each letter (D=4+2=6, O=15+2=17, G=7+2=9) cao **B1**

Answer: C) 6-17-9

Question 138

A) PANSY - each letter's alphabet position has 3 added to it: 19-4-17-22-28 decodes to PANSY **B1**

Answer: A) PANSY

Question 139

B) 19-10-3 - each letter's alphabet position has 1 added to it: RIB becomes 19-10-3 **B1**

Answer: B) 19-10-3

Question 140

E) 6-9-8 - each letter's alphabet position has 4 added to it: BED becomes 6-9-8 **B1**

Answer: E) 6-9-8

Question 141

D) 7-26-3 - the alphabet is reversed: A=26, B=25 ... Z=1: TAX becomes 7-26-3 **B1**

Answer: D) 7-26-3

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Question 142

D) 13-2-21-6-19 - each letter's alphabet position has 1 added to it: LATER becomes 13-2-21-6-19 **B1**

Answer: D) 13-2-21-6-19

Question 143

C) 13-12-11-1 - 3 is subtracted from each letter's alphabet position: POND becomes 13-12-11-1 **B1**

Answer: C) 13-12-11-1

Question 144

A) CLOG - 1 is subtracted from each letter's alphabet position: 2-11-14-6 decodes to CLOG **B1**

Answer: A) CLOG

Question 145

D) 15-6-16-8 - 3 is subtracted from each letter's alphabet position: RISK becomes 15-6-16-8 **B1**

Answer: D) 15-6-16-8

Question 146

B) 18-38-38-42-10 - each letter's alphabet position is doubled: ISSUE becomes 18-38-38-42-10 **B1**

Answer: B) 18-38-38-42-10

Question 147

E) TIME - 2 is subtracted from each letter's alphabet position: 18-7-11-3 decodes to TIME **B1**

Answer: E) TIME

Question 148

E) 2-19-14-6-5 - each letter's alphabet position has 1 added to it: ARMED becomes 2-19-14-6-5 **B1**

Answer: E) 2-19-14-6-5

Question 149

C) 5-24-21-17 - each letter's alphabet position has 3 added to it: BURN becomes 5-24-21-17 **B1**

Answer: C) 5-24-21-17

Question 150

B) 24-12-8-2 - the alphabet is reversed: A=26, B=25 ... Z=1: COSY becomes 24-12-8-2 **B1**

Answer: B) 24-12-8-2

Question 151

B) 25-20-3-18 - each letter's alphabet position has 2 added to it: WRAP becomes 25-20-3-18 **B1**

Answer: B) 25-20-3-18

Question 152

E) 21-22-22-15 - the alphabet is reversed: A=26, B=25 ... Z=1: FEEL becomes 21-22-22-15 **B1**

Answer: E) 21-22-22-15

Question 153

A) POUCH - each letter's alphabet position has 3 added to it: 19-18-24-6-11 decodes to POUCH **B1**

Answer: A) POUCH

Question 154

C) BEAR - each letter's alphabet position has 4 added to it: 6-9-5-22 decodes to BEAR **B1**

Answer: C) BEAR

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