3.20-2 Number Codes: Practice Set 2: 10-minute Pack

GL ASSESSMENT GL VR type 20 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

In this test, each question begins by showing how one or two words have been changed into number codes. Work out the rule that links the letters to the numbers, then use exactly the same rule to answer the question that follows. The rule may simply be each letter's position in the alphabet (A=1, B=2, up to Z=26), that position with a number added or taken away, the position doubled, or the position counted backwards 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 it stands for. Pick the one option, A to E, that matches. Look carefully at the worked example above before starting.

Worked example. If the code for PIG is 16-9-7, what is the code for OWL? **Answer: 15-23-12.** 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 P=16, I=9, G=7, giving PIG the code 16-9-7. Using the same rule, O=15, W=23, L=12, so OWL has the code 15-23-12.

1 If the code for PIG is 16-9-7, what is the code for OWL?

- ☐ A) 15-23-12
- ☐ B) 15-24-12
- ☐ C) 15-22-12
- ☐ D) 15-23-13
- ☐ E) 12-23-15

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2 In this code, each letter's alphabet position has 5 added to it. Using this rule, the code for CLAM is 8-17-6-18. What is the code for FROG?

- ☐ A) 6-18-15-7
- ☐ B) 11-23-20-12
- ☐ C) 11-24-20-12
- ☐ D) 12-20-23-11
- ☐ E) 11-23-20-17

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3 In this code, each letter's alphabet position has 1 taken away from it. Using this rule, the code for GECKO is 6-4-2-10-14. What is the code for OTTER?

- [ ] A) 14-18-19-4-17
- [ ] B) 14-19-19-4-16
- [ ] C) 14-19-19-4-17
- [ ] D) 15-20-20-5-18
- [ ] E) 17-4-19-19-14

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4 In this code, each letter's alphabet position has 3 added to it. Using this rule, the code for TROUT is 23-21-18-24-23. What is the code for QUAIL?

- [ ] A) 20-24-4-12-15
- [ ] B) 15-12-4-24-20
- [ ] C) 17-21-1-9-12
- [ ] D) 20-25-4-12-15
- [ ] E) 20-24-4-12-18

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5 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 2-1-18-11 represent?

- [ ] A) BARE
- [ ] B) BARK
- [ ] C) PARK
- [ ] D) DARK
- [ ] E) BARN

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6 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 6-9-14-5 represent?

- [ ] A) FIRE
- [ ] B) WINE
- [ ] C) DINE
- [ ] D) FINE
- [ ] E) FIVE

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7 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 20-18-1-9-14 represent?

- ☐ A) BRAIN
- ☐ B) GRAIN
- ☐ C) DRAIN
- ☐ D) TRAIT
- ☐ E) TRAIN

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8 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 8-15-21-19-5 represent?

- ☐ A) MOUSE
- ☐ B) HORSE
- ☐ C) LOUSE
- ☐ D) ROUSE
- ☐ E) HOUSE

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9 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 19-16-15-15-14 represent?

- ☐ A) SPOON
- ☐ B) SPOOF
- ☐ C) SWOON
- ☐ D) SPOOK
- ☐ E) SPOOL

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10 Using the code where each letter is replaced by its alphabet position (A=1, B=2, up to Z=26), for example DESK = 4-5-19-11, which word does the code 2-12-1-4-5 represent?

- ☐ A) GLADE
- ☐ B) BLAME
- ☐ C) BLAZE
- ☐ D) BLADE
- ☐ E) BLARE

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11 If PEAR = 22-11-7-24 and LIME = 18-15-19-11, using the same rule for both words, what is the code for BEAN?

- [ ] A) 2-5-1-14
- [ ] B) 8-12-7-20
- [ ] C) 8-11-7-20
- [ ] D) 20-7-11-8
- [ ] E) 8-11-7-26

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12 If the code for ELF is 5-12-6, what is the code for JAM?

- [ ] A) 10-1-14
- [ ] B) 13-1-10
- [ ] C) 10-2-13
- [ ] D) 10-1-13
- [ ] E) 9-1-13

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13 If TOWER = 16-11-19-1-14 and SHEEP = 15-4-1-1-12, using the same rule for both words, what is the code for FLOOR?

- [ ] A) 2-8-11-11-10
- [ ] B) 2-8-11-11-14
- [ ] C) 2-9-11-11-14
- [ ] D) 14-11-11-8-2
- [ ] E) 6-12-15-15-18

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Question 1

A) 15-23-12 - each letter replaced by its alphabet position (O=15, W=23, L=12) cao **B1**

Answer: A) 15-23-12

Question 2

B) 11-23-20-12 - alphabet position plus 5 for each letter (F=6+5=11, R=18+5=23, O=15+5=20, G=7+5=12) cao **B1**

Answer: B) 11-23-20-12

Question 3

C) 14-19-19-4-17 - alphabet position minus 1 for each letter (O=15-1=14, T=20-1=19, T=20-1=19, E=5-1=4, R=18-1=17) cao **B1**

Answer: C) 14-19-19-4-17

Question 4

A) 20-24-4-12-15 - alphabet position plus 3 for each letter (Q=17+3=20, U=21+3=24, A=1+3=4, I=9+3=12, L=12+3=15) cao **B1**

Answer: A) 20-24-4-12-15

Question 5

B) BARK - decodes as B=2, A=1, R=18, K=11 cao **B1**

Answer: B) BARK

Question 6

D) FINE - decodes as F=6, I=9, N=14, E=5 cao **B1**

Answer: D) FINE

Question 7

E) TRAIN - decodes as T=20, R=18, A=1, I=9, N=14 cao **B1**

Answer: E) TRAIN

Question 8

E) HOUSE - decodes as H=8, O=15, U=21, S=19, E=5 cao **B1**

Answer: E) HOUSE

Question 9

A) SPOON - decodes as S=19, P=16, O=15, O=15, N=14 cao **B1**

Answer: A) SPOON

Question 10

D) BLADE - decodes as B=2, L=12, A=1, D=4, E=5 cao **B1**

Answer: D) BLADE

Question 11

C) 8-11-7-20 - the rule is alphabet position plus 6 (B=2+6=8, E=5+6=11, A=1+6=7, N=14+6=20) cao **B1**

Answer: C) 8-11-7-20

Question 12

D) 10-1-13 - each letter replaced by its alphabet position (J=10, A=1, M=13) cao **B1**

Answer: D) 10-1-13

Question 13

B) 2-8-11-11-14 - the rule is alphabet position minus 4 (F=6-4=2, L=12-4=8, O=15-4=11, O=15-4=11, R=18-4=14) cao **B1**

Answer: B) 2-8-11-11-14

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