3.9-2 Letter Codes: Practice Set 2: 10-minute Pack

GL ASSESSMENT GL VR type 9 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question shows a made-up rule that turns the letters of one word into a secret code. Work out the rule from the example word and its code, then apply the identical rule to the second word given. Pick the single option, A to E, that gives the correct code (or, where asked, the correct word) - only one answer is ever correct.

Worked example. If the code for SPOON is TQPPO, what is the code for CHAIR? **Answer: DIBJS.** Each letter of SPOON has been moved 1 place forward in the alphabet to make the code TQPPO: S+1=T, P+1=Q, O+1=P, O+1=P, N+1=O. Applying the same rule to CHAIR: C+1=D, H+1=I, A+1=B, I+1=J, R+1=S, giving the code DIBJS.

1 If the code for SOIL is RNHK, what is the code for TRIP, using the same rule?

- ☐ A) SQHO
- ☐ B) RPGN
- ☐ C) OHQS
- ☐ D) SHQO
- ☐ E) USJQ

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2 If the code for MILD is LHKC, what is the code for TRIM, using the same rule?

- ☐ A) RPGK
- ☐ B) SHQL
- ☐ C) LHQS
- ☐ D) SQHL
- ☐ E) USJN

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3 If the code for GLOW is FKNV, and the same rule turns each word's letters 1 place back in the alphabet, which word does the code LDMC represent?

- ☐ A) BEND
- ☐ B) LEND
- ☐ C) MEND
- ☐ D) SEND
- ☐ E) TEND

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4 If the code for SNOW is QLMU, what is the code for VEST, using the same rule?

- [ ] A) TCQR
- [ ] B) SBPQ
- [ ] C) RQCT
- [ ] D) TQCR
- [ ] E) XGUV

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5 If the code for VEST is TCQR, what is the code for GIFT, using the same rule?

- [ ] A) DFCQ
- [ ] B) EDGR
- [ ] C) IKHV
- [ ] D) EGDR
- [ ] E) RDGE

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6 If the code for PRIZE is MOFWB, what is the code for SPORT, using the same rule?

- [ ] A) OLKNP
- [ ] B) PMLOQ
- [ ] C) VSRUW
- [ ] D) PLMOQ
- [ ] E) QOLMP

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7 If the code for CORD is EQTF, and the same rule turns each word's letters 2 places forward in the alphabet, which word does the code UGCV represent?

- [ ] A) BEAT
- [ ] B) HEAT
- [ ] C) SEAT
- [ ] D) MEAT
- [ ] E) NEAT

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8 In this code, A=Z, B=Y, C=X and so on through the alphabet in reverse. If the code for PLAN is KOZM, what is the code for WORM, using the same rule?

- ☐ A) LDIN
- ☐ B) CKHM
- ☐ C) DLIN
- ☐ D) DLIM
- ☐ E) NILD

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9 In this code, A=Z, B=Y, C=X and so on through the alphabet in reverse. If the code for TRAIN is GIZRM, what is the code for SMILE, using the same rule?

- ☐ A) GMQNU
- ☐ B) HNROV
- ☐ C) HRNOV
- ☐ D) HNROE
- ☐ E) VORNH

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10 In this code, A=Z, B=Y, C=X and so on through the alphabet in reverse. If the code for MARKET is NZIPVG, what is the code for SILVER, using the same rule?

- ☐ A) HREOVI
- ☐ B) IVEORH
- ☐ C) GQNDUH
- ☐ D) HROEVI
- ☐ E) HROEVR

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11 In this code, A=Z, B=Y, C=X and so on through the alphabet in reverse. If the code for CRISP is XIRHK, what is the code for BRAVE, using the same rule?

- ☐ A) XHYDU
- ☐ B) YZIEV
- ☐ C) VEZIY
- ☐ D) YIZEE
- ☐ E) YIZEV

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12 In this code, A=Z, B=Y, C=X and so on through the alphabet in reverse. If the code for WINTER is DRMGVI, which word does the code MRTSG represent, using the same rule?

- ☐ A) LIGHT
- ☐ B) NIGHT
- ☐ C) RIGHT
- ☐ D) SIGHT
- ☐ E) TIGHT

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13 If the code for CORD is EQTF, what is the code for WIND, using the same rule?

- ☐ A) YPKF
- ☐ B) ZLQG
- ☐ C) YKPF
- ☐ D) FPKY
- ☐ E) WIND

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Mark scheme · 3.9-2 Letter Codes: Practice Set 2: 10-minute Pack

Question 1

A) SQHO - each letter is moved 1 place back in the alphabet, matching SOIL->RNHK (S-1=R, O-1=N, I-1=H, L-1=K): T-1=S, R-1=Q, I-1=H, P-1=O **B1**

Answer: A) SQHO

Question 2

D) SQHL - each letter is moved 1 place back in the alphabet, matching MILD->LHKC (M-1=L, I-1=H, L-1=K, D-1=C): T-1=S, R-1=Q, I-1=H, M-1=L **B1**

Answer: D) SQHL

Question 3

C) MEND - decoding LDMC by moving each letter 1 place forward (L+1=M, D+1=E, M+1=N, C+1=D) gives MEND, matching the rule shown in GLOW->FKNV (G-1=F, L-1=K, O-1=N, W-1=V) **B1**

Answer: C) MEND

Question 4

A) TCQR - each letter is moved 2 places back in the alphabet, matching SNOW->QLMU (S-2=Q, N-2=L, O-2=M, W-2=U): V-2=T, E-2=C, S-2=Q, T-2=R **B1**

Answer: A) TCQR

Question 5

D) EGDR - each letter is moved 2 places back in the alphabet, matching VEST->TCQR (V-2=T, E-2=C, S-2=Q, T-2=R): G-2=E, I-2=G, F-2=D, T-2=R **B1**

Answer: D) EGDR

Question 6

B) PMLOQ - each letter is moved 3 places back in the alphabet, matching PRIZE->MOFWB (P-3=M, R-3=O, I-3=F, Z-3=W, E-3=B): S-3=P, P-3=M, O-3=L, R-3=O, T-3=Q **B1**

Answer: B) PMLOQ

Question 7

C) SEAT - decoding UGCV by moving each letter 2 places back (U-2=S, G-2=E, C-2=A, V-2=T) gives SEAT, matching the rule shown in CORD->EQTF (C+2=E, O+2=Q, R+2=T, D+2=F) **B1**

Answer: C) SEAT

Question 8

C) DLIN - each letter is replaced by its mirror-image partner in the alphabet (A/Z, B/Y, C/X pairs), matching PLAN->KOZM (P->K, L->O, A->Z, N->M): W->D, O->L, R->I, M->N **B1**

Answer: C) DLIN

Question 9

B) HNROV - each letter is replaced by its mirror-image partner, matching TRAIN->GIZRM (T->G, R->I, A->Z, I->R, N->M): S->H, M->N, I->R, L->O, E->V **B1**

Answer: B) HNROV

Question 10

D) HROEVI - each letter is replaced by its mirror-image partner, matching MARKET->NZIPVG (M->N, A->Z, R->I, K->P, E->V, T->G): S->H, I->R, L->O, V->E, E->V, R->I **B1**

Answer: D) HROEVI

Question 11

E) YIZEV - each letter is replaced by its mirror-image partner, matching CRISP->XIRHK (C->X, R->I, I->R, S->H, P->K): B->Y, R->I, A->Z, V->E, E->V **B1**

Answer: E) YIZEV

Question 12

B) NIGHT - decoding MRTSG by finding each letter's mirror partner (M->N, R->I, T->G, S->H, G->T) gives NIGHT, matching the rule shown in WINTER->DRMGVI (W->D, I->R, N->M, T->G, E->V, R->I) **B1**

Answer: B) NIGHT

Question 13

C) YKPF - each letter is moved 2 places forward in the alphabet, matching CORD->EQTF (C+2=E, O+2=Q, R+2=T, D+2=F): W+2=Y, I+2=K, N+2=P, D+2=F **B1**

Answer: C) YKPF

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