3.10 Letter-Pair Analogies: 30-minute Pack

about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question gives a pair of letters and shows how it changes into a second pair. Work out the rule connecting the two letters, then apply exactly the same rule to the third pair to find the missing letters. Choose the one option (A to E) that correctly completes the analogy. No letter ever needs to move past Z. Study the worked example above before you begin.

Worked example. AB is to CD as EF is to ? **Answer: GH.** Each letter in the first pair moves forward 2 places in the alphabet to make the second pair (A+2=C, B+2=D). Applying the same rule to EF: E+2=G and F+2=H, so the missing pair is GH.

1 US is to FH as FZ is to ?

- ☐ A) TA
- ☐ B) UB
- ☐ C) FZ
- ☐ D) VA
- ☐ E) UA

---

2 DU is to EW as BJ is to ?

- ☐ A) BL
- ☐ B) BJ
- ☐ C) CL
- ☐ D) DK
- ☐ E) DL

---

3 QT is to VO as RM is to ?

- ☐ A) XH
- ☐ B) VH
- ☐ C) WI
- ☐ D) MR
- ☐ E) WH

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4 CU is to TB as YJ is to ?

- [ ] A) IY
- [ ] B) IX
- [ ] C) JX
- [ ] D) IW
- [ ] E) XI

---

5 AB is to ZY as EF is to ?

- [ ] A) UV
- [ ] B) VU
- [ ] C) VW
- [ ] D) WU
- [ ] E) UT

---

6 KP is to MR as FO is to ?

- [ ] A) HQ
- [ ] B) FO
- [ ] C) GQ
- [ ] D) QH
- [ ] E) IQ

---

7 HM is to FJ as PK is to ?

- [ ] A) OH
- [ ] B) MH
- [ ] C) NH
- [ ] D) NI
- [ ] E) HN

---

8 WD is to EX as KG is to ?

- [ ] A) LH
- [ ] B) HM
- [ ] C) GL
- [ ] D) HL
- [ ] E) IL

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9 DE is to EF as TI is to ?

- [ ] A) JU
- [ ] B) UJ
- [ ] C) UI
- [ ] D) TJ
- [ ] E) UK

---

10 BI is to EF as KV is to ?

- [ ] A) NT
- [ ] B) KV
- [ ] C) SN
- [ ] D) OS
- [ ] E) NS

---

11 QR is to TU as LS is to ?

- [ ] A) OV
- [ ] B) VO
- [ ] C) OU
- [ ] D) NV
- [ ] E) OW

---

12 RF is to FR as SQ is to ?

- [ ] A) RS
- [ ] B) QS
- [ ] C) QT
- [ ] D) QR
- [ ] E) PS

---

13 OP is to PR as RS is to ?

- [ ] A) ST
- [ ] B) TT
- [ ] C) SV
- [ ] D) SU
- [ ] E) RS

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14 EF is to IK as JM is to ?

- [ ] A) NQ
- [ ] B) OR
- [ ] C) NR
- [ ] D) OQ
- [ ] E) MQ

---

15 GK is to KO as MQ is to ?

- [ ] A) QV
- [ ] B) MQ
- [ ] C) QU
- [ ] D) UQ
- [ ] E) RU

---

16 SY is to HB as QO is to ?

- [ ] A) KL
- [ ] B) IL
- [ ] C) JL
- [ ] D) QO
- [ ] E) LJ

---

17 AR is to CS as FI is to ?

- [ ] A) GJ
- [ ] B) HI
- [ ] C) GK
- [ ] D) FI
- [ ] E) HJ

---

18 EU is to DT as CZ is to ?

- [ ] A) YB
- [ ] B) BZ
- [ ] C) CZ
- [ ] D) BY
- [ ] E) CY

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19 CM is to XN as DK is to ?

- [ ] A) WP
- [ ] B) XP
- [ ] C) PW
- [ ] D) WO
- [ ] E) DK

---

20 JZ is to GW as MJ is to ?

- [ ] A) JG
- [ ] B) MJ
- [ ] C) JF
- [ ] D) IG
- [ ] E) JH

---

21 NF is to LD as GX is to ?

- [ ] A) GX
- [ ] B) EV
- [ ] C) EW
- [ ] D) FV
- [ ] E) EU

---

22 FU is to RC as ZD is to ?

- [ ] A) AX
- [ ] B) WA
- [ ] C) AV
- [ ] D) ZD
- [ ] E) AW

---

23 CD is to GH as MN is to ?

- [ ] A) PQ
- [ ] B) RS
- [ ] C) PR
- [ ] D) QR
- [ ] E) QS

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24 OS is to QU as RS is to ?

- ☐ A) RS
- ☐ B) SU
- ☐ C) TU
- ☐ D) UT
- ☐ E) TV

---

25 BE is to DG as CP is to ?

- ☐ A) FR
- ☐ B) DR
- ☐ C) RE
- ☐ D) ER
- ☐ E) ES

---

26 LU is to QQ as DH is to ?

- ☐ A) ID
- ☐ B) JD
- ☐ C) DH
- ☐ D) HD
- ☐ E) IE

---

27 RQ is to UT as PG is to ?

- ☐ A) TJ
- ☐ B) SI
- ☐ C) SJ
- ☐ D) RJ
- ☐ E) SK

---

28 CS is to DR as FV is to ?

- ☐ A) UG
- ☐ B) GV
- ☐ C) HU
- ☐ D) GU
- ☐ E) FU

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29 KL is to PO as ZL is to ?

- [ ] A) AO
- [ ] B) ZL
- [ ] C) OA
- [ ] D) BO
- [ ] E) AP

---

30 CV is to VC as VH is to ?

- [ ] A) HU
- [ ] B) HV
- [ ] C) HW
- [ ] D) VH
- [ ] E) GV

---

31 GN is to TM as IQ is to ?

- [ ] A) SJ
- [ ] B) RJ
- [ ] C) IQ
- [ ] D) QJ
- [ ] E) RI

---

32 KO is to LP as HE is to ?

- [ ] A) HE
- [ ] B) FI
- [ ] C) IF
- [ ] D) JF
- [ ] E) IE

---

33 AF is to DC as VE is to ?

- [ ] A) VE
- [ ] B) YB
- [ ] C) SH
- [ ] D) BY
- [ ] E) XB

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34 HU is to UH as NF is to ?

- [ ] A) NF
- [ ] B) FO
- [ ] C) EN
- [ ] D) FN
- [ ] E) FM

---

35 TC is to UD as RD is to ?

- [ ] A) SE
- [ ] B) RE
- [ ] C) TE
- [ ] D) ES
- [ ] E) RD

---

36 ZK is to XI as IY is to ?

- [ ] A) WG
- [ ] B) IY
- [ ] C) HW
- [ ] D) GX
- [ ] E) GW

---

37 ID is to BG as ZR is to ?

- [ ] A) ZR
- [ ] B) PY
- [ ] C) PX
- [ ] D) PW
- [ ] E) OX

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38 CT is to XG as YG is to ?

- [ ] A) BS
- [ ] B) YG
- [ ] C) AT
- [ ] D) TB
- [ ] E) BT

---

39 KT is to NV as OB is to ?

- [ ] A) DR
- [ ] B) QD
- [ ] C) QE
- [ ] D) RE
- [ ] E) RD

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Mark scheme · 3.10 Letter-Pair Analogies: 30-minute Pack

Question 1

E) UA - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching US to FH; so FZ becomes UA **B1**

Answer: E) UA

Question 2

C) CL - the first letter moves forward 1 place and the second letter moves forward 2 places, matching DU to EW; so BJ becomes CL **B1**

Answer: C) CL

Question 3

E) WH - the first letter moves forward 5 places and the second letter moves back 5 places, matching QT to VO; so RM becomes WH **B1**

Answer: E) WH

Question 4

B) IX - the letters swap places and each moves back 1 place, matching CU to TB; so YJ becomes IX **B1**

Answer: B) IX

Question 5

B) VU - each letter is replaced by its mirror letter counting from the other end of the alphabet (A<->Z, B<->Y, so E<->V and F<->U), keeping the same order **B1**

Answer: B) VU

Question 6

A) HQ - both letters move forward 2 places, matching KP to MR; so FO becomes HQ **B1**

Answer: A) HQ

Question 7

C) NH - the first letter moves back 2 places and the second letter moves back 3 places, matching HM to FJ; so PK becomes NH **B1**

Answer: C) NH

Question 8

D) HL - the letters swap places and each moves forward 1 place, matching WD to EX; so KG becomes HL **B1**

Answer: D) HL

Question 9

B) UJ - both letters move forward 1 place, matching DE to EF; so TI becomes UJ **B1**

Answer: B) UJ

Question 10

E) NS - the first letter moves forward 3 places and the second letter moves back 3 places, matching BI to EF; so KV becomes NS **B1**

Answer: E) NS

Question 11

A) OV - both letters move forward 3 places, matching QR to TU; so LS becomes OV **B1**

Answer: A) OV

Question 12

B) QS - the two letters swap places, matching RF to FR; so SQ becomes QS **B1**

Answer: B) QS

Question 13

D) SU - the first letter moves forward 1 place and the second letter moves forward 2 places, matching OP to PR; so RS becomes SU **B1**

Answer: D) SU

Question 14

C) NR - the first letter moves forward 4 places and the second letter moves forward 5 places (E+4=I, F+5=K) **B1**

Answer: C) NR

Question 15

C) QU - both letters move forward 4 places, matching GK to KO; so MQ becomes QU **B1**

Answer: C) QU

Question 16

C) JL - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching SY to HB; so QO becomes JL **B1**

Answer: C) JL

Question 17

E) HJ - the first letter moves forward 2 places and the second letter moves forward 1 place, matching AR to CS; so FI becomes HJ **B1**

Answer: E) HJ

Question 18

D) BY - both letters move back 1 place, matching EU to DT; so CZ becomes BY **B1**

Answer: D) BY

Question 19

A) WP - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching CM to XN; so DK becomes WP **B1**

Answer: A) WP

Question 20

A) JG - both letters move back 3 places, matching JZ to GW; so MJ becomes JG **B1**

Answer: A) JG

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Question 21

B) EV - both letters move back 2 places, matching NF to LD; so GX becomes EV **B1**

Answer: B) EV

Question 22

E) AW - the letters swap places and each moves back 3 places, matching FU to RC; so ZD becomes AW **B1**

Answer: E) AW

Question 23

D) QR - both letters shift forward 4 places, matching C+4=G and D+4=H **B1**

Answer: D) QR

Question 24

C) TU - both letters move forward 2 places, matching OS to QU; so RS becomes TU **B1**

Answer: C) TU

Question 25

D) ER - both letters move forward 2 places, matching BE to DG; so CP becomes ER **B1**

Answer: D) ER

Question 26

A) ID - the first letter moves forward 5 places and the second letter moves back 4 places, matching LU to QQ; so DH becomes ID **B1**

Answer: A) ID

Question 27

C) SJ - both letters move forward 3 places, matching RQ to UT; so PG becomes SJ **B1**

Answer: C) SJ

Question 28

D) GU - the first letter moves forward 1 place and the second letter moves back 1 place, matching CS to DR; so FV becomes GU **B1**

Answer: D) GU

Question 29

A) AO - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching KL to PO; so ZL becomes AO **B1**

Answer: A) AO

Question 30

B) HV - the two letters swap places, matching CV to VC; so VH becomes HV **B1**

Answer: B) HV

Question 31

B) RJ - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching GN to TM; so IQ becomes RJ **B1**

Answer: B) RJ

Question 32

C) IF - both letters move forward 1 place, matching KO to LP; so HE becomes IF **B1**

Answer: C) IF

Question 33

B) YB - the first letter moves forward 3 places and the second letter moves back 3 places, matching AF to DC; so VE becomes YB **B1**

Answer: B) YB

Question 34

D) FN - the two letters swap places, matching HU to UH; so NF becomes FN **B1**

Answer: D) FN

Question 35

A) SE - both letters move forward 1 place, matching TC to UD; so RD becomes SE **B1**

Answer: A) SE

Question 36

E) GW - both letters move back 2 places, matching ZK to XI; so IY becomes GW **B1**

Answer: E) GW

Question 37

C) PX - the letters swap places and each moves back 2 places, matching ID to BG; so ZR becomes PX **B1**

Answer: C) PX

Question 38

E) BT - each letter is swapped for its mirror in the alphabet (A with Z, B with Y, and so on), matching CT to XG; so YG becomes BT **B1**

Answer: E) BT

Question 39

E) RD - the first letter moves forward 3 places and the second letter moves forward 2 places, matching KT to NV; so OB becomes RD **B1**

Answer: E) RD

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