

Homework Mock Exam 9 Answers

Synonyms

- 1) d (tumble)
- 2) c (modify)
- 3) c (wholesome)
- 4) d(annoyance)
- 5) b(labyrinth)
- 6)c(accomplice)
- 7) b (assorted)
- 8) e(lawful)
- 9) b (notorious)
- 10) b (jump)
- 11) b (infrequent)
- 12) d (improve)
- 13) b outdated
- 14) d (changeable)

Antonyms

- 1) B (honesty)
- 2) b (Solid0)
- 3) d (turbulent)
- 4) c (ignore)
- 5) b(safe)
- 6) b (rapid)
- 7 d (mildly)
- 8) b (give0)
- 9) a(minute)
- 10) e (rough)
- 11) b (final)
- 12) d (cautious)
- 13) d (detach)
- 14) c (ungrateful)
- 15) b (loyal)

Shuffle

- 1) d
- 2) b
- 3) l
- 4) g
- 5) d
- 6) b
- 7) h
- 8) c
- 9) e
- 10) d

Piano keys

- 1) C
- 2) A
- 3) B
- 4) A
- 5) D
- 6) D

Summer doing nothing

- 1) C
- 2) B
- 3) D
- 4) A
- 5) C

CLOZE

- 1) largest
- 2) three
- 3) measuring
- 4) possess
- 5) blunt
- 6) readily
- 7) snowy
- 8) adorn
- 9) aid
- 10) approached
- 11) Although
- 12) weapon
- 13) accustomed
- 14) village

Short Maths

- 1) 64
- 2) 96
- 3) 21,34
- 4) Isosceles
- 5) 21
- 6) 0.2013, 2.013
20.13, 201.3, 2013)
- 7) 2898
- 8) 1,2,3,4,6,8
12,16,24,48
- 9) 2x3x3x5
- 10) 15
- 11) 40
- 12) 15+16
- 13) 270 min
- 14) 92720
- 15) 96 min
- 16) 16
- 17) one million
- 18) 4.65
- 19) 1,2,5
- 20) -6
- 21) 10th July
- 22) 6
- 23) 12
- 24) Obtuse
- 25) 8

Problem Solving

- 1) 4cm
- 2) 4.8
- 3) £47.85
- 4) 40 ml
- 5) (9,4)
- 6) 50 sec
- 7) 20
- 8) 10
- 9) £0.55
- 10) 27
- 11) 56cm
- 12) 24
- 13) 20cm
- 14) 2
- 15) 11:00
- 16) 60 min
- 17) 18
- 18) 12
- 19) 36
- 20) 81,243

Cubes

1. A
 2. B
 3. C
 4. A
 5. C
 6. D
-
1. A
 2. C
 3. C
 4. B
 5. E
 6. D

$$\begin{aligned}
 A=2, B=4, C=6, D=10, E=12 & \dots A+B+C=[E_] \\
 & 2+4+6=[12] \\
 A=3, B=6, C=9, D=18, E=18 & \dots B+C-E=[A_] \\
 & 6+9-18=[6] \\
 A=4, B=8, C=6, D=18, E=28 & \dots A+B+C-D=[B_] \\
 & 4+8+6-10=[9] \\
 A=5, B=7, C=8, D=10, E=11 & \dots B+C-E=[A_] \\
 & 7+10-11=[6] \\
 A=22, B=4, C=5, D=25, E=13 & \dots A-B-C=[E_] \\
 & 22-4-5=[13] \\
 A=10, B=6, C=5, D=7, E=12 & \dots E-C-D=[A_] \\
 & 12-5-7=[0] \\
 A=16, B=18, C=6, D=8, E=12 & \dots B+C+D-E=[A_] \\
 & 18+6+8-12=[16] \\
 A=9, B=6, C=16, D=18, E=19 & \dots A+C-B=[E_] \\
 & 9+16-6=[19] \\
 A=12, B=14, C=6, D=10, E=12 & \dots A+E-D=[B_] \\
 & 12+12-10=[14] \\
 A=2, B=4, C=6, D=10, E=12 & \dots A+B+C-D=[A_] \\
 & 2+4+6-10=[2] \\
 A=30, B=4, C=10, D=10, E=50 & \dots BxC-E=[A_] \\
 & 4x10-50=[10] \\
 A=10, B=9, C=11, D=13, E=12 & \dots A+B+C=[E_] \\
 & 10+9+11=[12] \\
 A=3, B=6, C=8, D=40, E=36 & \dots AxB-C=[D_] \\
 & 3x6-8=[10]
 \end{aligned}$$

$$\begin{aligned}
 (10 [23] 3) (5 [16] 6) (2 [9] 5) & \dots \\
 & \text{Left number } \times 2, \text{ plus right number} \\
 (4 [12] 2) (10 [32] 6) (16 [42] 8) & \dots \\
 & \text{Left number plus right number, } \times 2 \\
 (6 [46] 20) (2 [32] 15) (7 [27] 10) & \dots \\
 & \text{Right number } \times 2, \text{ plus left number} \\
 (12 [16] 8) (6 [22] 20) (15 [24] 13) & \dots \\
 & \text{Left number plus right number, minus 4} \\
 (16 [40] 8) (11 [27] 5) (4 [19] 11) & \dots \\
 & \text{Left number } \times 2, \text{ plus right number} \\
 (10 [23] 5) (4 [23] 13) (21 [36] 9) & \dots \\
 & \text{Left number plus right number, plus 6} \\
 (6 [10] 14) (3 [19] 20) (4 [7] 9) & \dots \\
 & \text{Right number minus left number, plus 2} \\
 (4 [27] 6) (5 [53] 10) (8 [19] 2) & \dots \\
 & \text{Left number } \times \text{ right number, plus 3} \\
 (6 [7] 10) (20 [25] 14) (11 [10] 8) & \dots \\
 & \text{Left number plus right number, minus 9} \\
 (4 [8] 6) (11 [33] 9) (6 [24] 12) & \dots \\
 & \text{Left number } \times \text{ right number, } + 3 \\
 (2 [16] 6) (7 [23] 10) (2 [10] 4) & \dots \\
 & \text{Right number } \times 3, \text{ minus left number}
 \end{aligned}$$

$$\begin{aligned}
 & 1, 8, 9, 11, 14, 18, [23] \\
 & \text{The rule is: } +0, -1, +2, +3, +4 \text{ etc.} \\
 & 23, 27, 31, 35, 39, [43] \\
 & \text{The rule is: } +4, +4, +4, +4, +4 \text{ etc.} \\
 & 97, 90, 84, 79, 75, 72, [70] \\
 & \text{The rule is: } -7, -6, -5, -4, -3 \text{ etc.} \\
 & 3, 9, 10, 30, 31, 93, [94] \\
 & \text{The rule is: } \times 3, +1, \times 3, +1, \times 3, +1 \text{ etc.} \\
 & 1, 2, 4, 8, 16, 32, [64] \\
 & \text{The rule is: } \times 2, \times 2, \times 2, \times 2, \times 2 \text{ etc.} \\
 & 5, 9, 17, 19, 45, 65, [89] \\
 & \text{The rule is: } +4, +8, +12, +16, +20 \text{ etc.} \\
 & 12, 30, 29, 29, 30, 32, [35] \\
 & \text{The rule is: } -2, -1, +0, +1, +2, +3 \text{ etc.} \\
 & 87, 82, 77, 72, 67, 62, [57] \\
 & \text{The rule is: } -5, -5, -5, -5, -5 \text{ etc.} \\
 & 30, 37, 31, 36, 32, 35, [33] \\
 & \text{The rule is: } +7, -6, +5, -4, +3, -2 \text{ etc.} \\
 & 8, [11], 15, 20, 26, 33, 41 \\
 & \text{The rule is: } +3, +4, +5, +3, +7 \text{ etc.} \\
 & [5], 4, 7, 10, 9, 12, 11 \\
 & \text{The rule is: } +3, -1, +3, -1, +3 \text{ etc.} \\
 & 85, 84, 80, [73], 63, 50, 34 \\
 & \text{The rule is: } -1, -4, -7, -10, -13, -16 \text{ etc.}
 \end{aligned}$$

$$\begin{aligned}
 19 - 6 + 2 &= 28 + [2] - 15 & \text{Both sides total 15} \\
 24 - 10 + 6 &= 8 + 7 + [5] & \text{Both sides total 20} \\
 12 + 9 + 8 &= 40 - [20] + 9 & \text{Both sides total 29} \\
 5 \times 3 + 10 &= 11 + 12 + [2] & \text{Both sides total 25} \\
 40 + 10 - 1 &= [20] - 13 - 4 & \text{Both sides total 3} \\
 7 \times 4 + 2 &= 5 \times [7] - 5 & \text{Both sides total 30} \\
 9 \times 9 + 9 &= 10 \times 10 - [10] & \text{Both sides total 90} \\
 80 - 42 + 5 &= 8 \times [5] + 3 & \text{Both sides total 43} \\
 48 - 18 - 7 &= [7] \times 3 + 2 & \text{Both sides total 23} \\
 4 \times 5 \times 5 &= 33 + [35] + 32 & \text{Both sides total 100}
 \end{aligned}$$