

Quantitative Reasoning Book 4

Answer key

Exercise 1: Page 5-7

A

1. 18, 21, 24
2. 74, 73, 72
3. 90, 93, 96
4. 58, 58, 48
5. 900, 1100, 1300
6. 327, 331, 335
7. 290, 295, 300
8. 415, 416, 417
9. 224, 226, 228
10. 240, 245, 250
11. 760, 750, 740
12. 330, 335, 340
13. 189, 195, 201
14. 855, 850, 845
15. 940, 930, 920

B

1. 500, 600, 700
2. 800, 850, 900
3. 4000, 5000, 6000
4. 4,000, 8,000, 10,000
5. 1000, 1050, 1100
6. 1600, 1800, 2000
7. 4800, 6000, 7200
8. 2217, 2218, 2219
9. 6600, 7700, 8800
10. 3320, 6640, 13280
11. 5600, 7000, 8400
12. 500, 600, 900
13. 6000, 7500, 9000
14. 1300, 1700, 2100
15. 1500, 1800, 2100

Exercise 2: Page 8-9

1. CC3, DD4, FF6, GG7
2. 7, 70, 6
3. S19, T20, W23, X24
4. 235, 240, 245, 250, 255

5. 100h, 80f, 60d, 40b
6. 800, 700, 700
7. efg, 567, ghi, 789
8. L12, P16, Q17, S19
9. 580, 480, 380, 180
10. 27, vu, 28, ts
11. 208, 206, 205, 203, 202
12. D4d, E5e, F6f, H8h
13. 110, 130, 135
14. Dd10, Ee12, Ff14, Gg16
15. 21U, 19S, 17Q, 15O, 14N
16. 63, 9, 8
17. G35, I39, K43, M47, O51
18. mno, 74, pqr, 73
19. Q9u, S10w, U11x, W12y
20. GI7, JL6, PR4, SU3, VX2
21. 93, 9, 103, 8
22. 153, 173, 183, 193

Exercise 3: Page 10-12

A

Column A	Column B
1. 25	XXII
2. 38	XLI
3. 13	XLVI
4. 46	XIII
5. 22	XXV
6. 41	XXXVIII
7. 57	L
8. 29	XXXIII
9. 33	LVII
10. 50	XXIX


B

- | | |
|--------|--------|
| 1. 7 | 2. 3 |
| 3. 12 | 4. 21 |
| 5. 4 | 6. 25 |
| 7. 30 | 8. 19 |
| 9. 8 | 10. 14 |
| 11. 51 | 12. 55 |

C

- | | |
|-------|-----------|
| 1. XV | 2. XXVIII |
| 3. VI | 4. X |
| 5. XX | 6. VII |

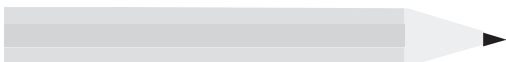
- | | |
|--------|-----------|
| 7. XXX | 8. IX |
| 9. XI | 10. XIII |
| 11. V | 12. XXXII |

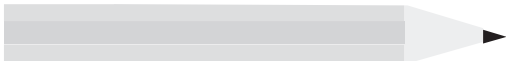
D 

1. XXVII	40
2. XXXV	10
3. XLIII	35
4. XXXII	43
5. X	24
6. XXIV	32
7. XL	27

Exercise 4: Page 13-14

- A** 
- | | |
|------|------|
| 1. > | 2. < |
| 3. > | 4. > |
| 5. = | 6. < |

- B** 
- Twenty eight thousand one hundred and forty three
 - Nine thousand and thirty five
 - Thirty three thousand eight hundred and seventy two
 - Fourteen thousand six hundred and eight
 - Forty five thousand two hundred and eleven
 - 7,622
 - 9,503
 - 20,919
 - 3,461
 - 4,056

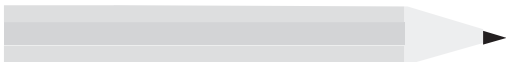
C 

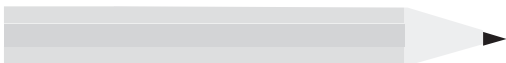
Column A	Column B
26,428	Nineteen thousand two hundred and forty-six
19,246	Forty-two thousand seven hundred and ninety-four
88,181	Twenty-six thousand four hundred and twenty-eight
3,673	Eight-eight thousand one hundred and eighty-one
42,794	Three thousand six hundred and seventy-three

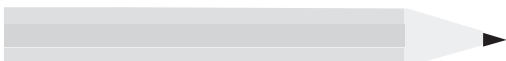
Exercise 5: Page 15-16

- | | |
|-------|-------|
| 1. J | 2. L |
| 3. M | 4. K |
| 5. M | 6. G |
| 7. J | 8. J |
| 9. H | 10. M |
| 11. J | 12. K |
| 13. I | 14. M |
| 15. H | |

Exercise 6: Page 17-22

- A** 
- | | |
|------|------|
| 1. b | 2. b |
| 3. d | 4. a |
| 5. d | 6. d |
| 7. b | 8. a |

- B** 
- | | |
|----------|-------|
| 1. a | 2. d |
| 3. b | 4. b |
| 5. d (2) | 6. d |
| 7. b | 8. a |
| 9. a | 10. d |

- C** 
- | | |
|-----------|-------|
| 1. c (17) | 2. d |
| 3. c | 4. b |
| 5. b | 6. c |
| 7. d | 8. b |
| 9. a | 10. b |

- D** 
- | | |
|------|------|
| 1. c | 2. d |
|------|------|

- | | |
|------|-------|
| 3. d | 4. b |
| 5. d | 6. a |
| 7. b | 8. d |
| 9. a | 10. a |

Exercise 7: Page 23-24

- | | |
|------|-------|
| 1. b | 2. b |
| 3. c | 4. d |
| 5. c | 6. b |
| 7. d | 8. c |
| 9. d | 10. d |

Exercise 8: Page 25-29

A

- | | |
|-------|-------|
| 1. b | 2. a |
| 3. b | 4. b |
| 5. c | 6. b |
| 7. a | 8. d |
| 9. c | 10. d |
| 11. d | 12. b |

B

- | | |
|------|-------|
| 1. a | 2. b |
| 3. a | 4. a |
| 5. c | 6. b |
| 7. a | 8. b |
| 9. b | 10. c |

C

- | | |
|------|------|
| 1. a | 2. b |
| 3. a | 4. b |
| 5. c | |

Exercise 9: Page 30-36

A

- | | |
|-------|--------|
| 1. 20 | 2. 10 |
| 3. 40 | 4. 7 |
| 5. 11 | 6. 144 |
| 7. 80 | 8. 9 |

B

- | | |
|------|------|
| 1. c | 2. c |
| 3. b | 4. d |
| 5. c | 6. a |

- | | |
|-------|-------|
| 7. a | 8. b |
| 9. b | 10. a |
| 11. c | 12. d |

C

- | | |
|------|-------|
| 1. c | 2. b |
| 3. d | 4. b |
| 5. c | 6. a |
| 7. d | 8. a |
| 9. d | 10. b |

D

- | | |
|-------|-------|
| 1. b | 2. c |
| 3. d | 4. a |
| 5. b | 6. a |
| 7. c | 8. d |
| 9. b | 10. a |
| 11. d | 12. b |
| 13. c | 14. b |

Exercise 10: Page 37-38

- | | |
|-------|-------|
| 1. a | 2. c |
| 3. a | 4. a |
| 5. a | 6. d |
| 7. c | 8. a |
| 9. b | 10. b |
| 11. b | 12. d |
| 13. b | 14. a |

Exercise 11: Page 39

- | | |
|------|-------|
| 1. b | 2. c |
| 3. d | 4. d |
| 5. a | 6. d |
| 7. a | 8. c |
| 9. c | 10. a |

Exercise 12: Page 40-41

- | | |
|------|------|
| 1. c | 2. c |
| 3. b | 4. c |
| 5. c | 6. b |
| 7. a | 8. b |

Exercise 13: Page 42-43

- | | |
|-----------|-----------|
| 1. 1, 2 | 2. 14, 9 |
| 3. 3, 2 | 4. 40, 2 |
| 5. 9, 9 | 6. 96, 11 |
| 7. 100, 6 | 8. 20, 11 |

- | | | | |
|------------|-----------|----------|----------|
| 9. 72, 10 | 10. 91, 4 | 11. FLY | 12. 6158 |
| 11. 2, 80 | 12. 6, 52 | 13. BEAM | 14. 198 |
| 13. 11, 13 | 14. 3, 77 | 15. LAY | 16. BAY |
| 15. 16, 80 | | 17. BELL | 18. 5164 |

Exercise 14: Page 44-47

A 

- | | |
|---------|---------|
| 1. 19 | 2. cj |
| 3. 57 | 4. naj |
| 5. 143 | 6. 309 |
| 7. hbb | 8. 108 |
| 9. jaa | 10. 100 |
| 11. 209 | 12. ddj |
| 13. eea | 14. 450 |
| 15. 579 | 16. bba |
| 17. 360 | 18. gai |

B 

- | | |
|----------|----------|
| 1. 186 | 2. fed |
| 3. 586 | 4. cab |
| 5. 106 | 6. bed |
| 7. 703 | 8. dead |
| 9. 3405 | 10. bib |
| 11. 1445 | 12. died |
| 13. 7883 | 14. 2054 |
| 15. beef | 16. dad |
| 17. 5024 | 18. bee |
| 19. hide | 20. 7403 |
| 21. 2064 | 22. 103 |
| 23. 384 | 24. 5443 |

C 

- | | |
|------------|-----------|
| 1. 14+68 | 2. 21+45 |
| 3. 2x3 | 4. 6x9 |
| 5. 20+47 | 6. 20x47 |
| 7. 96÷2 | 8. 86÷1 |
| 9. 56÷2 | 10. 23x6 |
| 11. 1x89 | 12. 70-1 |
| 13. he÷b | 14. dg÷e |
| 15. fc+ba | 16. ia+j |
| 17. bf x e | 18. hh+bi |

D 

- | | |
|-----------|-----------|
| 1. FEEL | 2. 5172 |
| 3. FEMALE | 4. BEEF |
| 5. 4155 | 6. 388458 |
| 7. 7815 | 8. FELL |
| 9. 612 | 10. LEAF |

Exercise 15: Page 48-49

- | | |
|-------|-------|
| 1. c | 2. d |
| 3. a | 4. c |
| 5. b | 6. c |
| 7. b | 8. a |
| 9. d | 10. c |
| 11. b | |

Exercise 16: Page 50-54

A 

- | | |
|------|------|
| 1. c | 2. c |
| 3. b | 4. a |
| 5. c | 6. b |
| 7. d | 8. c |

B 

- | | |
|------|------|
| 1. b | 2. a |
| 3. c | 4. b |
| 5. d | 6. a |
| 7. c | 8. b |

C 

- | | |
|------|------|
| 1. a | 2. d |
| 3. c | 4. b |
| 5. a | 6. b |
| 7. d | 8. a |
| 9. b | |

Exercise 17: Page 55-56

- | | |
|-------|-------|
| 1. c | 2. b. |
| 3. c | 4. c |
| 5. a | 6. b |
| 7. c | 8. c |
| 9. a | 10. a |
| 11. c | 12. c |

Exercise 18: Page 57-61

A 

- | | |
|------|------|
| 1. b | 2. d |
| 3. c | 4. a |

- | | |
|------|-------|
| 5. c | 6. b |
| 7. b | 8. c |
| 9. b | 10. c |

B 

- | | |
|------|-------|
| 1. b | 2. d |
| 3. a | 4. b |
| 5. c | 6. a |
| 7. a | 8. b |
| 9. d | 10. b |

Exercise 19: Page 62-63

- | | |
|-------|-------|
| 1. d | 2. c |
| 3. d | 4. b |
| 5. d | 6. d |
| 7. a | 8. c |
| 9. a | 10. c |
| 11. c | 12. b |
| 13. d | 14. b |

Exercise 20: Page 64-65

- | | |
|-----------|-------|
| 1. b | 2. b |
| 3. d | 4. a |
| 5. a | 6. d |
| 7. a | 8. b |
| 9. b (25) | 10. b |
| 11. c | 12. a |
| 13. b | 14. c |

Exercise 21: Page 66-67

- | | |
|------|-------|
| 1. d | 2. c |
| 3. d | 4. b |
| 5. c | 6. d |
| 7. a | 8. b |
| 9. d | 10. c |

Exercise 22: Page 68-69

- | | |
|------|-------|
| 1. d | 2. c |
| 3. d | 4. b |
| 5. d | 6. b |
| 7. c | 8. a |
| 9. d | 10. d |

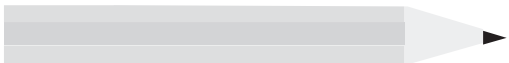
Exercise 23: Page 70

- | | |
|------|------|
| 1. c | 2. c |
| 3. a | 4. d |

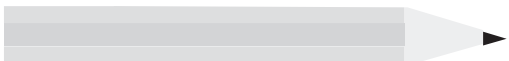
- | | |
|-------|-------|
| 5. c | 6. b |
| 7. c | 8. c |
| 9. a | 10. b |
| 11. b | 12. a |

Exercise 24: Page 72-78**A** 

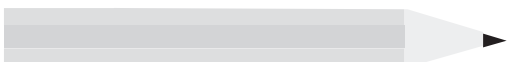
- | | |
|------|-------|
| 1. a | 2. c |
| e. d | 4. b |
| 5. b | 6. a |
| 7. a | 8. c |
| 9. a | 10. b |

B 

- | | |
|------|-----------|
| 1. b | 2. c (32) |
| 3. c | 4. b |
| 5. d | 6. b |
| 7. b | 8. a |
| 9. d | 10. b |

C 

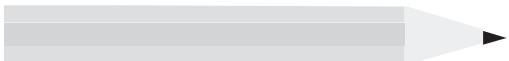
- | | |
|------|-------|
| 1. b | 2. a |
| 3. b | 4. b |
| 5. c | 6. d |
| 7. c | 8. b |
| 9. b | 10. c |

D 

- | | |
|------|-------|
| 1. a | 2. d |
| 3. b | 4. c |
| 5. d | 6. d |
| 7. c | 8. c |
| 9. b | 10. c |

Exercise 25: Page 79-80

- | | |
|------|-------|
| 1. b | 2. c |
| 3. d | 4. a |
| 5. c | 6. d |
| 7. b | 8. c |
| 9. a | 10. b |

Exercise 26: Page 81--84**A** 

- | | |
|------|------|
| 1. a | 2. b |
| 3. c | 4. b |

- | | |
|-------|-------|
| 5. d | 6. b |
| 7. a | 8. b |
| 9. a | 10. d |
| 11. c | 12. d |

B

- | | |
|------|------|
| 1. a | 2. b |
| 3. c | 4. d |
| 5. c | 6. a |
| 7. c | 8. d |

Exercise 27: Page 85-86

- | | |
|-------|----------|
| 1. 8 | 2. 18, 5 |
| 3. 4 | 4. 20 |
| 5. 2 | 6. 16 |
| 7. 51 | 8. 4 |

Exercise 28: Page 87**A**

- | | |
|------|------|
| 1. b | 2. d |
| 3. a | 4. b |
| 5. b | 6. a |

B

- | | |
|------|------|
| 1. c | 2. a |
| 3. c | 4. b |
| 5. a | 6. c |

C

- | | |
|------|------|
| 1. d | 2. c |
| 3. b | 4. b |
| 5. a | 6. c |

D

- | | |
|-------|-------|
| 1. b | 2. d |
| 3. b | 4. a |
| 5. a | 6. b |
| 7. a | 8. c |
| 9. c | 10. c |
| 11. d | 12. d |
| 13. d | 14. b |

E

- | | |
|------|------|
| 1. a | 2. b |
| 3. a | 4. b |
| 5. c | 6. a |

- | | |
|------|------|
| 7. c | 8. b |
| 9. a | |

Exercise 29: Page 93-94

- climate of zanzibar
- eastern coast
- 25°C
- Kaskazi, December, January
- June, July
- Masika, 21st March
- Vuli, 23rd September
- Pemba
- temperature, humidity
- Strong sea and cool nights

Practice Test 1: Page 95-97**A**

- 35, 40, 45, 55, 60
- 128, 132, 136, 140, 144
- M17, L18, K19, I 21, H22, G23
- 450, 600, 750, 900, 1050, 1200
- G24, I30, K36, M42, O48
- U85, Y69, Z65

B

- | | |
|---|-----------|
| 1. 5,728 | 2. 56,276 |
| 3. 13,389 | |
| 4. Eight thousand four hundred and fifty six | |
| 5. Thirty three thousand one hundred and nine | |
| 6. Twelve thousand and eighty two | |

C

- | | |
|-------|-------|
| 1. 20 | 2. 3 |
| 3. 22 | 4. 20 |
| 5. 8 | 6. 19 |

D

- | | |
|------|------|
| 1. d | 2. c |
| 3. a | 4. c |
| 5. c | 6. a |

Practice Test 2: Page 98-100**B**

- | | |
|------|------|
| 1. a | 2. d |
|------|------|

17. $96-8$ 18. $91+8$
19. $83=4$ 20. $62+57$

C 

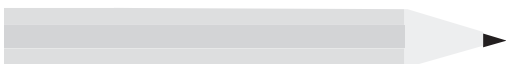
1. 432 2. 456
3. 118 4. 637
5. 615 6. 380
7. 760 8. 999
9. 126 10. 401

D 

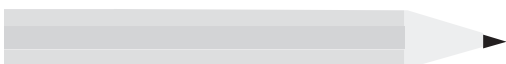
1. b 2. c
3. a 4. d
5. d 6. a

E 

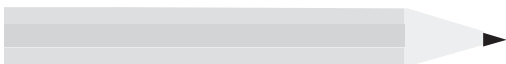
1. d 2. a
3. b 4. b
5. a 6. c
7. d 8. c

Practice Test 7: Page 119-122**A** 

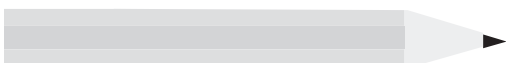
1. d 2. b
3. a 4. c
5. b 6. d
7. c 8. d

B 

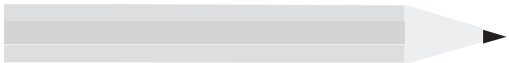
1. c 2. a
3. d 4. d
5. d 6. b
7. c

C 

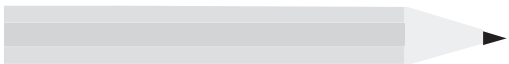
1. d 2. d
3. c 4. b
5. d

Practice Test 8: Page 123-124**A** 

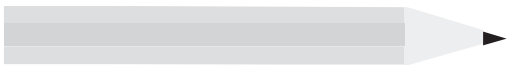
1. d 2. c
3. a 4. c

B 

1. 24 2. 48
3. 16 4. 8
5. 1120 6. 121
7. 16 8. 18

Practice Test 9: Page 125-126**A** 

1. d 2. c
3. b 4. a
5. b 6. c

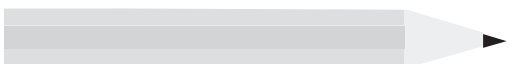
B 

1. meter 2. milliliter
3. 1000 4. 3m
5. 5kg 6. 400cm
7. 2g 8. 2 tons
9. 2l 10. 6000ml

Practice Test 10: Page 127-128**A** 

- 1**
a. 7 b. 31
c. banana d. 3
e. four f. two
g. five

- 2**
a. T b. F
c. T d. F
e. F

B 

Food	Breakfast	Lunch	Dinner
Vegetables		✓	✓
Fruits	✓		
Barley			✓
Rice		✓	
Cereals	✓		
Fish/Meat		✓	✓
Milk	✓		
Porridge	✓		
Corn		✓	