**TJ Level E Homework Booklet Revision Exercise Answers**

**Page 6 Chapter 1 Revision Exercise**

1 . a Two million,forty thousand, eight hundred

2 . a 100 030 b 10 500 000

3 . a 180 b 4500 c 432 000 d 13 800

e 39 f 690 g 32 840 h 230

i 130 j 7 k 7090 l 9600

m 800

4 . a (i) 26311 (ii) 653

b £59 045 c £7635

5 . a (i) £183 900 (ii) £184 000 (iii) £180 000

b £4000 c 7 trips

6 . 49

**Page 21 Chapter 5 Revision Exercise**

1 . a -3°C b -12°C

2 . -7°C

3 . a 4 b 4 c -8 d -9

e -20

4 . a/b see diagram c D(3,-3)

d A’(-3,-1) B’(2,1) C’(2,-3) D’(-3,-3)

**Page 26 Chapter 6 Revision Exercise** 1.(a) $\frac{5}{8}$ (b) $\frac{5}{8}$ (c) $\frac{4}{6}$ = $\frac{2}{3}$ (d) $\frac{3}{6}$ = $\frac{1}{2}$ 2 (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{8}$ (e) $\frac{2}{13} $(f) $\frac{1}{14}$ (g) $\frac{1}{25}$ (h) $\frac{3}{14}$ 3(a) 22 (b) 36 (c) 24 (d) 440

**Pages 29,30 Chapter 7 Revision Exercise**

1 . a 1 b 0 c 1 d 20

2 . check diagrams

**Page 34 Chapter 8 Revision Exercise**

1 . a 12*x* b 4*y* c 3*k* d *d*

e 2*w* f 6*h* 2

2 . a 21 b -1 c 5 d 12

3 . a 6 b -1 c 5

**Revision Sheet Answers**

1(a) 3 hundreds or 300 (b) 3 tens of thousands or 30000 (c) 3 tens or 30 (d) 3 hundreds of thousands or 3000 (e) 3 thousands or 3000

2(a) 3786, 3876, 4968, 4986, 4989, 4998 (b) 290999, 298797, 299875, 300088, 300650, 301000

3(a) 33771 (b) 88951 (c) 1569 (d) 225808 (e) 21602 (f) 191152 (g) 487 (h) 7613r3 (i) 234r1 (j) 1384r3 *continued/*

**Revision Sheet Answers (continued)**

4(a) 13 (b) 15 (c) 2 (d) -1 (e) -7

5 (a) (b) (c) (d) (e) (i) 4289 6983 29640 45763 3925 (ii) 4290 6980 29640 45760 3930 (iii) 4300 7000 29600 45800 3900 (iv) 4000 7000 30000 46000 4000

6 (a) (b) (c) (d) (e) (i) 3·9 17·3 32·9 303·0 30·0 (ii) 3·94 17·28 32·95 302·98 30·00 (iii) 3·937 17·284 32·948 302·980 30·000

7(a) 9 (b) 49 (c) 81 (d) 100

8(a) 6 (b) 5 (c) 9 (d) 3

9(a) 1 (b) 125 (c) 343 (d) 1000

10(a) 2 (b) 3 (c) 1 (d) 6

11(a)3y (b) 20d (c) 16t (d) 3m + 2 (e) y2 (f) 2t2 (g) 5c (h) -3d (i) 5m + y + 5 (j) 5t – 5k (k) 20e + 3g – 3

12(a) 27 (b) 20 (c) -1 (d) 25 (e) 2 (f) -5 (g) 7 (h) 20

13(a) 20412 (b) 83955 (c) 232138

14 Bar Graph 15 Line Graph

16 9 17 7 18 8 19 5

20 (a) (b)

|  |  |  |
| --- | --- | --- |
|  8 | *1* | 6 |
| *3* | *5* | 7 |
|  *4* | 9 | 2 |

|  |  |  |
| --- | --- | --- |
|  2 | 9 | *4* |
| *7* | 5 | *3* |
|  *6* | *1* | 8 |

21 (a) A = 8 B = 4 (b) C = 2 D = 2