LESSON 2

EXERCISE 1

1. 50,030, 50,040, 50,050
2. 90,040, 90,050,
3. 2130,2140,2150,2160
4. 4140, 4160,4180… 4220, 4240
5. 61,225, 61,250,
6. 120,140, 120,170,120,200, 120,230
7. 100,200, 100,250, 100,300
8. 80… 240,280,320,360
9. 380.. 460, 500… 620
10. 100,350
11. One hundred and forty six thousand, three hundred and twenty
12. One hundred thousand, four hundred and ten
13. Six hundred and seventy six thousand, fourty
14. Three hundred and thirty four thousand, four hundred and thirty
15. One hundred and sixty eight thousand
16. Eight hundred thousand
17. Seven hundred and forty thousand
18. Eight hundred and sixty thousand
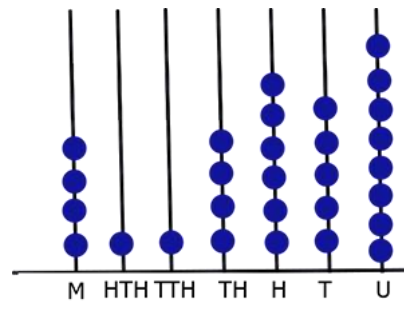19. Nine hundred thousand, eight hundred and forty eight

EXERCISE 2

1. 324,000
2. 43,230
3. 620,030
4. 900,209
5. 62,000

6. 3004

7. 49,050

8. 72,066

9. 250,102

(j) 999,009

EXERCISE 3

1. Four million, one hundred and fourteen thousand, six hundred and fifty eight
    - Million = 4
    - Hundred thousand = 1
    - Ten Thousand = 1
    - Thousand = 4
    - Hundred = 6
    - Tens = 5
    - Units = 8

2. Five million, one hundred and thirty four thousand, two hundred and twenty five
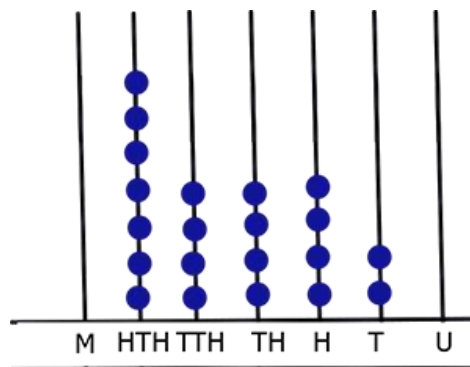   - Million = 5
    - Hundred thousand = 1
    - Ten Thousand = 3
    - Thousand = 4
    - Hundred = 2
    - Tens = 2

- Units = 5

3. Four million, three hundred and fifty two thousand, three hundred and thirty three
  - Million = 4
  - Hundred thousand = 3
  - Ten Thousand = 5
  - Thousand = 2
  - Hundred = 3
  - Tens = 3
  - Units = 3

4. Seven hundred and forty four thousand, four hundred and twenty

M   HTH TTH   TH   H   T   U

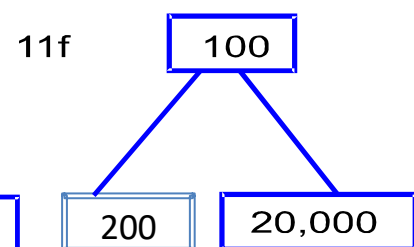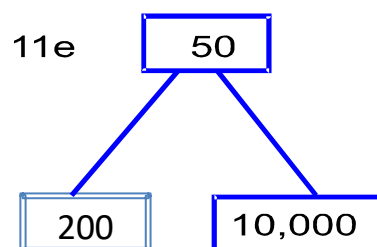5. Two million, one hundred and eleven thousand, two hundred and thirty five
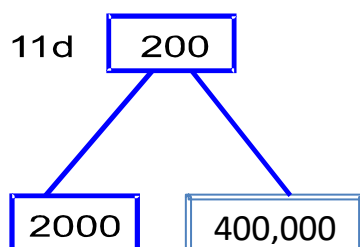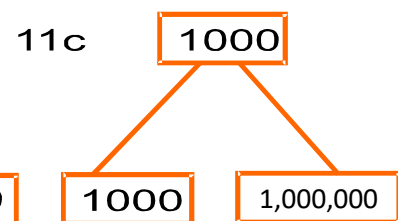 - Million = 2
  - Hundred thousand = 1
  - Ten Thousand = 1
  - Thousand = 1
  - Hundred = 2
  - Tens = 3
  - Units = 5

EXERCISE 4

1. 80
2. 8,000
3. Null
4. 4,000,000
5. 6
6. 600
7. 80,000
8. 700
9. 40,000
10. Null
11. 100
12. 8,000
13. 5,000
14. 600,000
15. 1,000,000
16. 0000

EXERCISE 5

,

11a 100
   80   8.000

11b 100
   100   10,000

11c 1000
   1000   1,000,000

11d 200
   2000   400,000

11e 50
   200   10,000

11f 100
   200   20,000

11g

```
        111
       /    \
     11      1,221
```

11h

```
        41
       /    \
    20.5     840
```

11i

```
        70
       /    \
     70      4,900
```

11j

```
       1000
       /    \
    100     10,000
```

11k

```
        25
       /    \
    400     10,000
```

11L

```
       120
       /    \
    12      1,440
```
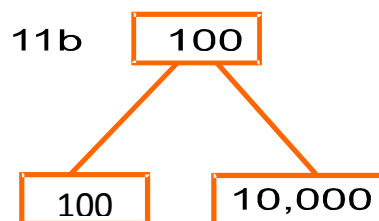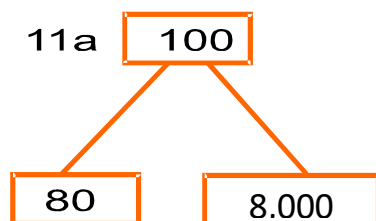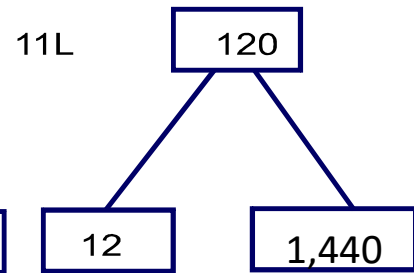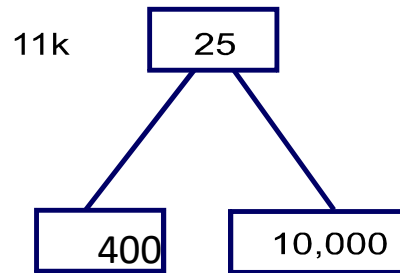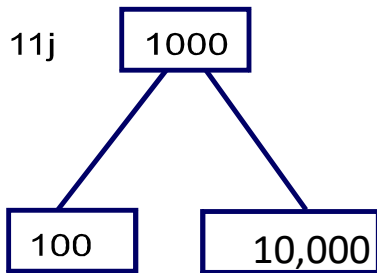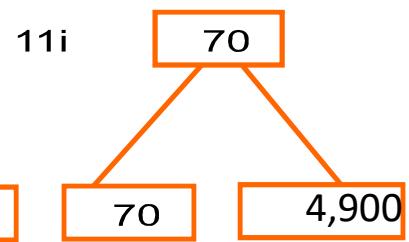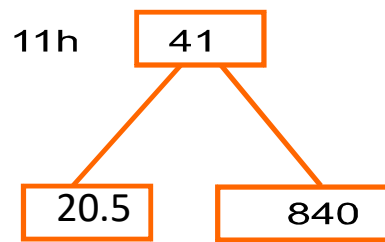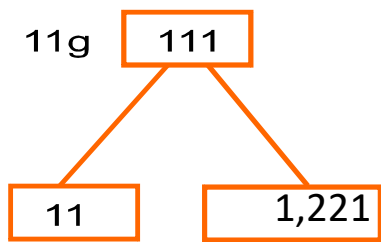
MODULE 2

EXERCISE 1

1. 0.48
2. 2.1
3. 0.214
4. 0.0013
5. 0.94
6. 0.088
7. 0.01
8. 0.2
9. 0.27
10.   0.014
11.   0.874
12.   0.66
13.   1.04
14.   1.36
15.   0.76
16.   7.64

17.   0.04
18.   0.2
19.   0.001
20.   0.01

EXERCISE 2

1. 0.1213
2. 0.1352
3. 0.8435
4. 0.3425
5. 0.3564
6. 0.2452
7. 0.3212
8. 0.2323

EXERCISE 3

Number 1

(a)   1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84
(b)   1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84
(c)   1, 2, 3, 6, 7, 14, 21, 42
(d)   1, 2, 3, 4, 6, 8, 12, 24
(e)   1,3
(f) 1, 2, 4, 7, 14, 28
(g)   1, 3, 5, 9, 15, 45
(h)   1, 5, 11, 55
(i) 1, 2, 5, 10, 25, 50
(j) 1, 2, 4, 8, 16, 32, 64

Number 2

(a)   1, 2, 3, 6, 9, 18
(b)   1, 3, 9, 27
(c)   1, 2, 3, 5, 6, 10, 15, 30
(d)   1, 2, 23, 46
(e)   1, 3, 11, 33
(f) 1, 2, 3, 6, 17, 34, 51, 102
(g)   1, 2, 3, 4, 6, 8, 9, 12, 16, 18, 24, 36, 48, 72, 144
(h)   1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
(i) 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72
(j) 1, 2, 3, 4, 6, 8, 9, 12, 16, 18, 24, 32, 36, 48, 72, 96, 144, 288

EXERCISE 2

(a)   20
(b)   42
(c)   70
(d)   60
(e)   1701

LESSON 2

EXERCISE 3

(a)   8
(b)   11
(c)   2
(d)   2
(e)   16

(f) 2

(g)   27

(h)   5

(i) 4

(j) 48

EXERCISE 4

a. 2 x 2 x 19
b. 2 x 2 x 2 x 11
c. 2 x 2 x 41
d. 2 x 2 x 2 x 2 x 2 x 3
e. 2 x 2 x 2 x 2 x 5
f. 2 x 17
g. 2 x 3 x 3 x 5
h. 2 x 5 x 17
i. 3 x 5 x 11
j. 2 x 3 x 17

EXERCISE 5

Number 1

(a)   90
(b)   24
(c)   12
(d)   30
(e)   288
(f) 120
(g)   294

(h)   42

(i) 80

(j) 484

Number 2

(a)   243

(b)   180

(c)   576

(d)   720

(e)   24

(f) 80

(g)   60

(h)   78

(i) 65

(j) 12

MODULE 4

EXERCISE 1 : 1

(a)   24

(b)   80

(c)   390

(d)   72

(e)   1680

(f) 140

(g)   230

(h)   600

(i) 480

(j) 90

EXERCISE 1: 2

(a)   288
(b)   72
(c)   390
(d)   720
(e)   264
(f) 96
(g)   728
(h)   720
(i) 45
(j) 288

MODULE 5

EXERCISE 1

Number 1

(a)   1321/1000
(b)   467/1000
(c)   217/1000
(d)   177/1000
(e)   1709/500
(f) 409/500
(g)   231/250
(h)   467/1000
(i) 43/125
(j) 133/1000

Number 2

(a)   707/500

(b)   18/125

(c)   159/500

(d)   7/500

(e)   3207/1000

(f) 109/1000

(g)   2203/500

(h)   1037/1000

(i) 2707/1000

(j) 1499/1000

EXERCISE 2

(a)   0.318

(b)   0.706

(c)   0.193

(d)   0.8

(e)   0.905

(f) 0.13

(g)   0.418

(h)   0.563

EXERCISE 3

Number 1

(a)   0.003

(b)   0.0016

(c)   0.00067

(d)   0.007

(e)   0.004

(f) 0.003

(g)   0.00167

(h)   0.00125

Number 2

(a)   0.00083

(b)   0.0028

(c)   0.0036

(d)   0.0032

(e)   0.0072

(f) 0.008

(g)   0.0008

(h)   0.0006

MODULE 6

EXERCISE 1

1. Ratio of shaded portion to the unshaded
    a. 3 : 5
    b. 5 : 3
    c. 3 : 5
    d. 6 : 10
    e. 4 : 6
    f. 6 : 5

2. Ratio of unshaded portion to the shaded

a. 5 : 3

b. 3 : 5

c. 5 :3

d. 10 : 6

e. 6 : 4

f. 5 : 6

3. Ratio of shaded portion to the complete spaces

   a. 3 : 8

   b. 5 : 8

   c. 3 : 8

   d. 6 : 16

   e. 4 : 10

   f. 6 : 11

4. Ratio of unshaded portion portion to the complete spaces

   a. 5 : 8

   b. 3 : 8

   c. 5 : 8

   d. 10 : 16

   e. 6 : 10

   f. 5 : 11

EXERCISE 2

Number 1

(a)   2/9

(b)   3/9

(c)   2/13

(d)   5/32

(e)   4/5

(f) 2/3

(g)   3/19

(h)   4/15

(i) 4/5

(j) 5/9

Number 2

(a)   18/3

(b)   19/7

(c)   15/6

(d)   5/48

(e)   1/10

(f) 10/1

(g)   15/2

(h)   8/1

(i) 7.9

(j) 5/32

MODULE 7

EXERCISE 1

Number 1

(a)   0.25

(b)   0.2

(c)   0.5

(d)   2.0

(e)   6.0

(f) 0.33

(g)   3

(h)   0.125

Number 2

(a)   0.01
(b)   2.0
(c)   0.25
(d)   0.6
(e)   0.001
(f) 0.1
(g)   0.33

EXERCISE 2

3:2	3/2	1.5
2:3	2/3	0.67
1:8	1/8	0.125
1:3	1/3	0.33
3:12	¼	0.25

EXERCISE 3

(a)   50 : 250
(b)   50 : 200
(c)   200 : 250

EXERCISE 5

(a)   2 : 1
(b)   7 : 2
(c)   3 : 4

MODULE 8

EXERCISE 1

(a)   10,060
(b)   9,705
(c)   10,644
(d)   9,840
(e)   10,789
(f) 8,758
(g)   10,122
(h)   8,760
(i) 11,793
(j) 12,476

EXERCISE 2

(a)   1,274
(b)   2,342
(c)   3,034
(d)   6,191
(e)   4,186
(f) 3,842
(g)   3226
(h)   5,176
(i) 5,374

(j) 5,666

MODULE 9

EXERCISE 1

(a)   464.621
(b)   735.949
(c)   297.079
(d)   310.798
(e)   275.499
(f) 350.022
(g)   368.12
(h)   2,063.506
(i) 717.383
(j) 430.187

EXERCISE 2

(a)   34.191
(b)   234.831
(c)   101.424
(d)   -6.949
(e)   714.371
(f) 349.753
(g)   333
(h)   625.143
(i) 260,194

MODULE 10

EXERCISE 1

(a)   3
(b)   4
(c)   3
(d)   13
(e)   3
(f) 7
(g)   15
(h)   12

EXERCISE 2

(a)   4,423 km
(b)   2,677 km
(c)   2,796 kg
(d)   -3,111 kg
(e)   -5,175km
(f) 6,915 kg
(g)   842.507 kg
(h)   -4,581 m
(i) -4,325 cm
(j) 3,496 cm
(k)   104 cm
(l) 5,360
(m)   367
(n)   2,071
(o)   10,000

MODULE 11

EXERCISE 1

Number 1

(a)   128,754
(b)   165,564
(c)   441,142
(d)   96,768
(e)   173,466
(f) 233,478
(g)   176,638
(h)   83,200
(i) 34,882
(j) 24,549

Number 2

(a)   632,293
(b)   25,384
(c)   32,214
(d)   144,816
(e)   324,691
(f) 554,688
(g)   100,861
(h)   405,279
(i) 477,542
(j) 184,815

EXERCISE 2

1. 455,416
2. 1,193.7

3. 16,272

MODULE 12

EXERCISE 1

(a)   2
(b)   4
(c)   10 and 14
(d)   15 and 10
(e)   10
(f) 2
(g)   4
(h)   14
(i) 10 and 15
(j) 10 and 13

EXERCISE 2

1. 21
2. 26.25
3. 15.4
4. 128
5. 12.6

MODULE 13

EXERCISE 1

1. Water tank , Drum, cake , well, candle

2. Bricks, juice box, Match box, Micro- wave, shoebox
3. Dice, sugar cubes, rooms, ice cube, gift box
4. tent
5. car tyres, ring, orange, coin, clock
6.

EXERCISE 2

1. Cylinderical
2. Circle
3. Cylinderical
4. Cuboid
5. Cylinderical
6. cuboid
7. circle
8. –
9. Cylindrical

MODULE 14

EXERCISE 1

(a)   Four sided length longer than the width, sum of interior angles is 360

(b)   Four sided polygon, sum of interior angles is 360

(c)   Four sided, the opposite sides are parallel to each other, thte sum of interior angle is 360

(d)   Four sided polygon, all its sides are equal, all its angles are equal

(e)   Four sided polygon, all sides of the rhombus are equal, the sum of two adjacent angles in a rhombus is equal to 180

(f) Four sided polygon, the diagonal sides are perpendicular,

MODULE 15

EXERCISE 1

1. 15.75 seconds
2. 9 km/h
3. 25 km/h
4. 60 km
5. 15 m/s
6. 40m/s
7. 20 hours
8. 60 meters
9. 100km/h
10. 50km/h
11. 10 hours
12. 0.67 m/s

MODULE 16

EXERCISE 1

a. 70000g
b. 7000g
c. 510g
d. 820g
e. 4100g
f. 1400g
g. 1500g
h. 650g
i. 10000g

j. 2000g

k. 1000g

l. 13000g

m. 145000g