

Jawapan

Praktis 2

Praktis Formatif

2.1 Nombor Asas Number Bases

1

Nombor Number	Nilai-nilai n (2 hingga 9) yang mungkin Possible values of n (2 to 9)
(a) 7306_n	8, 9
(b) 2304_n	5, 6, 7, 8, 9
(c) 1458_n	9
(d) 2002_n	3, 4, 5, 6, 7, 8, 9

2 (a)

Nombor dalam asas 2 Number in base 2	1	0	1	1	0	0	1
Nilai tempat Place value	2^6	2^5	2^4	2^3	2^2	2^1	2^0

(b)

Nombor dalam asas 5 Number in base 5	3	0	4	2	1
Nilai tempat Place value	5^4	5^3	5^2	5^1	5^0

(c)

Nombor dalam asas 8 Number in base 8	4	7	6	1
Nilai tempat Place value	8^3	8^2	8^1	8^0

(d)

Nombor dalam asas 7 Number in base 7	5	2	3	4	6
Nilai tempat Place value	7^4	7^3	7^2	7^1	7^0

3 (a)

Nombor dalam asas 3 Number in base 3	1	2	0	2	1
Nilai tempat Place value	3^4	3^3	3^2	3^1	3^0

$$2 \times 3^3 = 54$$

(b)

Nombor dalam asas 4 Number in base 4	3	2	2	1
Nilai tempat Place value	4^3	4^2	4^1	4^0

$$3 \times 4^3 = 192$$

(c)

Nombor dalam asas 9 Number in base 9	5	6	7	4
Nilai tempat Place value	9^3	9^2	9^1	9^0

$$6 \times 9^2 = 486$$

(d)

Nombor dalam asas 6 Number in base 6	5	0	4	3	1
Nilai tempat Place value	6^4	6^3	6^2	6^1	6^0

$$5 \times 6^4 = 6\,480$$

4 (a)

Nombor dalam asas 2 Number in base 2	1	1	1	1	1	0
Nilai tempat Place value	2^5	2^4	2^3	2^2	2^1	2^0

$$(1 \times 2^5) + (1 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + (0 \times 2^0) = 62_{10}$$

(b)

Nombor dalam asas 5 Number in base 5	4	3	2	1
Nilai tempat Place value	5^3	5^2	5^1	5^0

$$(4 \times 5^3) + (3 \times 5^2) + (2 \times 5^1) + (1 \times 5^0) = 586_{10}$$

(c)

Nombor dalam asas 8 Number in base 8	6	7	5
Nilai tempat Place value	8^2	8^1	8^0

$$(6 \times 8^2) + (7 \times 8^1) + (5 \times 8^0) = 445_{10}$$

(d)

Nombor dalam asas 9 Number in base 9	2	6	3
Nilai tempat Place value	9^2	9^1	9^0

$$(2 \times 9^2) + (6 \times 9^1) + (3 \times 9^0) = 219_{10}$$

(e)

Nombor dalam asas 4 <i>Number in base 4</i>	2	1	3	0
Nilai tempat <i>Place value</i>	4^3	4^2	4^1	4^0

$$(2 \times 4^3) + (1 \times 4^2) + (3 \times 4^1) + (0 \times 4^0) = 156_{10}$$

(f)

Nombor dalam asas 3 <i>Number in base 3</i>	1	2	2	1
Nilai tempat <i>Place value</i>	3^3	3^2	3^1	3^0

$$(1 \times 3^3) + (2 \times 3^2) + (2 \times 3^1) + (1 \times 3^0) = 52_{10}$$

(g)

Nombor dalam asas 7 <i>Number in base 7</i>	1	6	4	5
Nilai tempat <i>Place value</i>	7^3	7^2	7^1	7^0

$$(1 \times 7^3) + (6 \times 7^2) + (4 \times 7^1) + (5 \times 7^0) = 670_{10}$$

(h)

Nombor dalam asas 6 <i>Number in base 6</i>	5	4	3
Nilai tempat <i>Place value</i>	6^2	6^1	6^0

$$(5 \times 6^2) + (4 \times 6^1) + (3 \times 6^0) = 207_{10}$$

5 (a) $10210_3 = 1(3)^m + 2(n)^2 + 3$
 $10210_3 = 1(3)^4 + 2(3)^2 + (3)^1$
 $m = 4, n = 3$

(b) $4101_6 = 4(n)^m + (6)^2 + 1$
 $4101_6 = 4(6)^3 + (6)^2 + 1$
 $m = 3, n = 6$

(c) $10032_5 = 5^m + 3n + 2$
 $10032_5 = 5^4 + 3(5)^1 + 2$
 $m = 4, n = 5$

6 $600_{10} = p(8)^3 + q(8)^2 + 8r$
 $600_{10} = 1(8)^3 + 1(8)^2 + 8(3)$
 $p = 1, q = 1, r = 3$

7

Nilai tempat/Place value	3^2	3^1	3^0
Digit/Digit	2	2	1

$$(2 \times 3^2) + (2 \times 3^1) + (1 \times 3^0) = 25_{10}$$

$$k = 221$$

8 (a)

2	86	Baki/Remainder
2	43	0
2	21	1
2	10	1
2	5	0
2	2	1
2	1	0
	0	1

$$86_{10} = 1010110_2$$

(b)

5	759	Baki/Remainder
5	151	4
5	30	1
5	6	0
5	1	1
	0	1

$$\therefore 759_{10} = 11014_5$$

(c)

8	3000	Baki/Remainder
8	375	0
8	46	7
8	5	6
	0	5

$$\therefore 3000_{10} = 5670_8$$

(d)

9	43567	Baki/Remainder
9	4840	7
9	537	7
9	59	6
9	6	5
	0	6

$$\therefore 43567_{10} = 65677_9$$

9 (a) $10101100_2 = 254_8$

1	0	1	0	1	1	0	0
2	1	4	2	1	4	2	1
2			4 + 1		4		
2				5		4	
2							

$$\therefore 10101100_2 = 254_8$$

(b) $11101111_2 = 357_8$

1	1	1	0	1	1	1	1
2	1	4	2	1	4	2	1
2	+ 1		4 + 1		4 + 2 + 1		
2				5		7	
2							

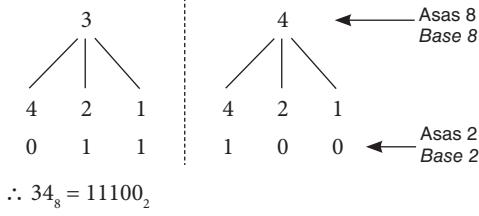
$$\therefore 11101111_2 = 357_8$$

(c) $11010110_2 = 326_8$

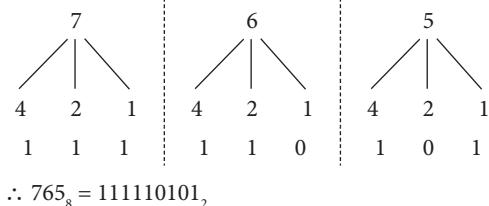
1	1	0	1	0	1	1	0
2	1	4	2	1	4	2	1
2	+ 1		2		4 + 2		
2				2		6	
2							

$$\therefore 11010110_2 = 326_8$$

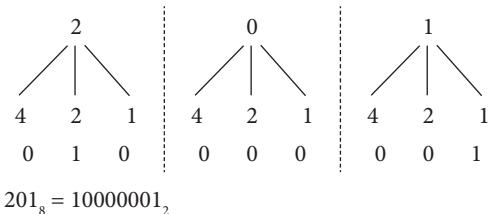
10 (a)



(b)



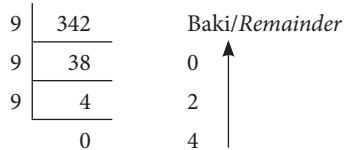
(c)



11 (a)

Nombor dalam asas 5 Number in base 5	2	3	3	2
Nilai tempat Place value	5^3	5^2	5^1	5^0

$$(2 \times 5^3) + (3 \times 5^2) + (3 \times 5^1) + (2 \times 5^0) = 342_{10}$$

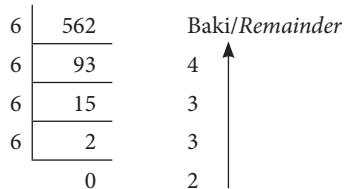


$$\therefore 2332_5 = 420_9$$

(b)

Nombor dalam asas 7 Number in base 7	1	4	3	2
Nilai tempat Place value	7^3	7^2	7^1	7^0

$$(1 \times 7^3) + (4 \times 7^2) + (3 \times 7^1) + (2 \times 7^0) = 562_{10}$$

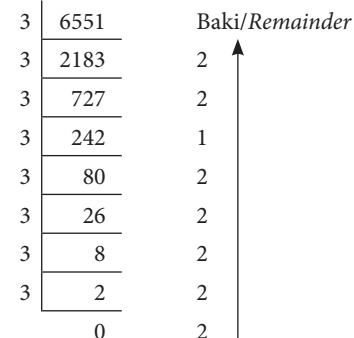


$$\therefore 1432_5 = 2334_6$$

(c)

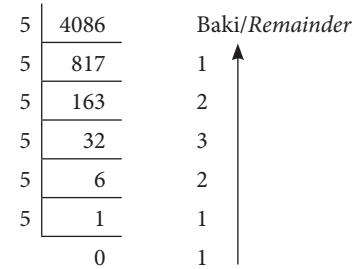
Nombor dalam asas 9 Number in base 9	8	8	7	8
Nilai tempat Place value	9^3	9^2	9^1	9^0

$$(8 \times 9^3) + (8 \times 9^2) + (7 \times 9^1) + (8 \times 9^0) = 6551_{10}$$



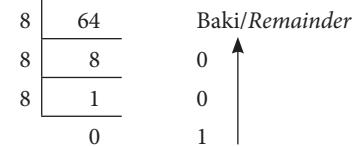
$$\therefore 8878_9 = 22222122_3$$

$$12 (a) 7766_8 = (7 \times 8^3) + (7 \times 8^2) + (6 \times 8^1) + (6 \times 8^0) = 4086_{10}$$



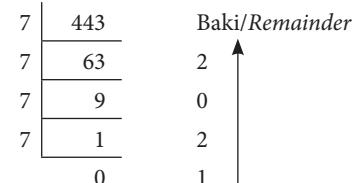
$$\therefore 7766_8 = 112321_5$$

$$(b) 224_5 = (2 \times 5^2) + (2 \times 5^1) + (4 \times 5^0) = 64_{10}$$



$$\therefore 224_5 = 100_8$$

$$(c) 3233_5 = (3 \times 5^3) + (2 \times 5^2) + (3 \times 5^1) + (3 \times 5^0) = 443_{10}$$



$$\therefore 3233_5 = 1202_7$$

$$\begin{aligned}
 (d) \quad 11011110_2 &= (1 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (1 \times 2^4) \\
 &\quad + (1 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + \\
 &\quad (0 \times 2^0) \\
 &= 222_{10}
 \end{aligned}$$

6	222	Baki/Remainder
6	37	0
6	6	1
6	1	0
0	1	

$$\therefore 11011110_2 = 1010_6$$

$$13 \quad (a) \quad 222_5 + 344_5 = 1121_5$$

$$\begin{array}{r}
 222_5 \\
 + 344_5 \\
 \hline
 1121_5
 \end{array}$$

$$(b) \quad 1100_2 + 1111_2 = 11011_2$$

$$\begin{array}{r}
 1100_2 \\
 + 1111_2 \\
 \hline
 11011_2
 \end{array}$$

$$(c) \quad 354_6 + 233_6 = 1031_6$$

$$\begin{array}{r}
 354_6 \\
 + 233_6 \\
 \hline
 1031_6
 \end{array}$$

$$(d) \quad 2875_9 + 684_9 = 3670_9$$

$$\begin{array}{r}
 2875_9 \\
 + 684_9 \\
 \hline
 3670_9
 \end{array}$$

$$(e) \quad 101_2 + 110_2 = 1011_2$$

$$\begin{array}{r}
 101_2 \\
 + 110_2 \\
 \hline
 1011_2
 \end{array}$$

$$(f) \quad 1110_2 + 1111_2 = 11101_2$$

$$\begin{array}{r}
 1110_2 \\
 + 1111_2 \\
 \hline
 11101_2
 \end{array}$$

$$(g) \quad 122_3 + 212_3 = 1111_3$$

$$\begin{array}{r}
 122_3 \\
 + 212_3 \\
 \hline
 1111_3
 \end{array}$$

$$(h) \quad 1212_3 + 221_3 = 2210_3$$

$$\begin{array}{r}
 1212_3 \\
 + 221_3 \\
 \hline
 2210_3
 \end{array}$$

$$14 \quad (a) \quad 2001_7 - 456_7 = 1212_7$$

$$\begin{array}{r}
 2001_7 \\
 - 456_7 \\
 \hline
 1212_7
 \end{array}$$

$$(b) \quad 401_8 - 37_8 = 342_8$$

$$\begin{array}{r}
 401_8 \\
 - 37_8 \\
 \hline
 342_8
 \end{array}$$

$$(c) \quad 2010_3 - 1121_3 = 112_3$$

$$\begin{array}{r}
 2010_3 \\
 - 1121_3 \\
 \hline
 112_3
 \end{array}$$

$$(d) \quad 3102_4 - 233_4 = 2203_4$$

$$\begin{array}{r}
 3102_4 \\
 - 233_4 \\
 \hline
 2203_4
 \end{array}$$

$$(e) \quad 101_2 - 11_2 = 10_2$$

$$\begin{array}{r}
 101_2 \\
 - 11_2 \\
 \hline
 10_2
 \end{array}$$

$$(f) \quad 11101_2 - 1111_2 = 1110_2$$

$$\begin{array}{r}
 11101_2 \\
 - 1111_2 \\
 \hline
 1110_2
 \end{array}$$

$$(g) \quad 1220_3 - 212_3 = 1001_3$$

$$\begin{array}{r}
 1220_3 \\
 - 212_3 \\
 \hline
 1001_3
 \end{array}$$

$$(h) \quad 1112_3 - 221_3 = 121_3$$

$$\begin{array}{r}
 1112_3 \\
 - 221_3 \\
 \hline
 121_3
 \end{array}$$

15 Katakan x = harga sebatang pen dalam RM

Let x = the price of a pen in RM

Katakan y = harga sebatang pembaris dalam RM

Let y = the price of a ruler in RM

$$110_2 \longrightarrow 6_{10}$$

$$1000_2 \longrightarrow 8_{10}$$

$$100_2 \longrightarrow 4_{10}$$

$$22_8 \longrightarrow 18_{10}$$

$$22_5 \longrightarrow 12_{10}$$

Persamaan/Equation (1): $100_2x + 110_2y = 22_5$

Persamaan/Equation (2): $1000_2x + 110_2y = 22_8$

$$(2) - (1): (1000_2 - 100_2)x + (110_2 - 110_2)y = (22_8 - 22_5)$$

$$4x = 6$$

$$x = 1.5$$

Daripada /From (1): $4x + 6y = 12$

$$4(1.5) + 6y = 12$$

$$y = 1$$

Harga bagi sebatang pen dan sebatang pembaris masing-masing ialah RM1.50 dan RM1.00.
The prices of a pen and a ruler are RM1.50 and RM1.00 respectively.

- 16 Katakan x = harga seekor ikan tilapia merah dalam RM
Let x = the price of a red tilapia fish in RM
Katakan y = harga seekor ikan tilapia hitam dalam RM
Let y = the price of a black tilapia fish in RM

$$\begin{array}{rcl} 101_2 & \longrightarrow & 5_{10} \\ 111_2 & \longrightarrow & 7_{10} \\ 1001_2 & \longrightarrow & 9_{10} \\ 145_6 & \longrightarrow & 65_{10} \\ 108_9 & \longrightarrow & 89_{10} \end{array}$$

Persamaan/Equation (1): $101_2x + 111_2y = 145_6$
Persamaan/Equation (2): $1001_2x + 111_2y = 108_9$

$$(2) - (1): (1001_2 - 101_2)x + (111_2 - 111_2)y = (108_9 - 145_6)$$

$$4x = 24$$

$$x = 6$$

Daripada /from Equation (1): $5x + 7y = 65$

$$5(6) + 7y = 65$$

$$y = 5$$

Harga bagi seekor ikan tilapia merah dan seekor ikan tilapia hitam masing-masing ialah RM6.00 dan RM5.00.
The prices of a red tilapia fish and a black tilapia fish are RM6.00 and RM5.00 respectively.

17 (a) $\frac{35}{100} \times 300 = 105$

$$105_{10} = 151_8$$

$$\begin{array}{rcl} 8 & | & 105 \\ 8 & | & 13 \\ 8 & | & 1 \\ 0 & & \end{array} \quad \text{Baki/Remainder}$$

$$1 \uparrow$$

$$5 \uparrow$$

$$1 \uparrow$$

(b) $\frac{15}{100} \times 300 = 45$

$$45_{10} = 113_6$$

$$\begin{array}{rcl} 6 & | & 45 \\ 6 & | & 7 \\ 6 & | & 1 \\ 0 & & \end{array} \quad \text{Baki/Remainder}$$

$$3 \uparrow$$

$$1 \uparrow$$

$$1 \uparrow$$

(c) $\frac{2}{100} \times 300 = 6$

$$6_{10} = 20_3$$

$$\begin{array}{rcl} 3 & | & 6 \\ 3 & | & 2 \\ 0 & & \end{array} \quad \text{Baki/Remainder}$$

$$0 \uparrow$$

$$2 \uparrow$$

18

$$\begin{array}{rcl} 10_3 & \longrightarrow & 3_{10} \\ 1111_2 & \longrightarrow & 15_{10} \\ 103_6 & \longrightarrow & 39_{10} \end{array}$$

Beza/Difference = $15 - 3 = 12$

Jadi, urutan ialah/So, the sequence is 3, 15, 27, 39, 51

$$a_5 = 27_{10}, b_4 = 51_{10}$$

$$\begin{array}{rcl} 5 & | & 27 \\ 5 & | & 5 \\ 5 & | & 1 \\ 0 & & \end{array} \quad \text{Baki/Remainder}$$

$$2 \uparrow$$

$$0 \uparrow$$

$$1 \uparrow$$

$$\begin{array}{rcl} 4 & | & 51 \\ 4 & | & 12 \\ 4 & | & 3 \\ 0 & & \end{array} \quad \text{Baki/Remainder}$$

$$3 \uparrow$$

$$0 \uparrow$$

$$3 \uparrow$$

Oleh itu/Therefore, $a = 102$ dan/and $b = 303$

- 19 (a) Katakan x = harga sebuah katil dalam RM

Let x = the price of a bed in RM

Katakan y = harga sebuah almari dalam RM

Let y = the price of a cupboard in RM

$$10_2x = 2046_9$$

$$11_3y = 1750_8$$

$$\begin{array}{rcl} 2046_9 & \longrightarrow & 1500_{10} \\ 10_2 & \longrightarrow & 2_{10} \\ 1750_8 & \longrightarrow & 1000_{10} \\ 11_3 & \longrightarrow & 4_{10} \end{array}$$

$$x = 1500 \div 2 = 750$$

$$y = 1000 \div 4 = 250$$

Harga bagi sebuah katil dan sebuah almari masing-masing ialah RM750 dan RM250.

The prices of a bed and a cupboard are RM750 and RM250 respectively.

(b) $x - y = 750 - 250$

$$= 500$$

$$500_{10} = 2152_6$$

- 20 (a) Katakan x = harga sebiji nanas dalam RM

Let x = the price of a pineapple in RM

Katakan y = harga sebiji tembakai susu dalam RM

Let y = the price of a honeydew melon in RM

Persamaan/Equation (1): $110_2x + 10_2y = 1112_4$

Persamaan/Equation (2): $x = 100_3$

$$\begin{array}{rcl} 110_2 & \longrightarrow & 6_{10} \\ 10_2 & \longrightarrow & 2_{10} \\ 1112_4 & \longrightarrow & 86_{10} \\ 100_3 & \longrightarrow & 9_{10} \end{array}$$

Maka/Thus, $x = 9$

Ganti $x = 9$ ke dalam persamaan(1):

Substitute $x = 9$ into equation (1):

$$6(9) + 2y = 86$$

$$y = 16 = 22_7$$

$$\begin{array}{r} 16 \\ \hline 7 | \quad 2 \\ \hline 2 \end{array} \quad \text{Baki/Remainder}$$

$$(b) 12_3(9) + 21_3(16) = 5(9) + 7(16) = 157 = 1112_5$$

$$\begin{array}{ccc} 12_3 & \longrightarrow & 5_{10} \\ 21_3 & \longrightarrow & 7_{10} \end{array}$$

$$\begin{array}{r} 157 \\ \hline 5 | \quad 31 \\ \hline 6 \\ \hline 1 \\ \hline 0 \end{array} \quad \text{Baki/Remainder}$$

$$\begin{array}{r} 63 \\ \hline 4 | \quad 15 \\ \hline 3 \\ \hline 0 \end{array} \quad \begin{array}{l} 3 \\ 3 \\ 3 \end{array}$$

$$70_9 = 63_{10} = 333_4$$

Maka/Thus, $n = 3$

3 Bilangan murid/Number of students: $33_4 = 15_{10}$

$$\begin{aligned} 33_4 &= 3(4^1) + 3(4^0) \\ &= 15_{10} \end{aligned}$$

Markah purata/Average marks: $240_5 = 70_{10}$

$$\begin{aligned} 240_5 &= 2(5^2) + 4(5^1) \\ &= 70_{10} \end{aligned}$$

Jumlah markah/Total marks = 70×15

$$\begin{aligned} &= 1050_{10} \\ &= 1386_9 \end{aligned}$$

$$\begin{array}{r} 1050 \\ \hline 9 | \quad 116 \\ \hline 12 \\ \hline 1 \\ \hline 0 \end{array} \quad \begin{array}{l} 6 \\ 8 \\ 3 \\ 1 \end{array}$$

$$\begin{aligned} 4 \quad 253_6 &= 2(6^2) + 5(6^1) + 3(6^0) \\ &= 105_{10} \end{aligned}$$

Harga selepas 30% diskaun/Price after 30% discount:

$$253_6 = 105_{10}$$

$$\begin{aligned} \text{Harga asal/Original price} &= 105 \div 0.7 \\ &= 150_{10} \\ &= 1100_5 \end{aligned}$$

$$\begin{array}{r} 150 \\ \hline 5 | \quad 30 \\ \hline 6 \\ \hline 1 \\ \hline 0 \end{array} \quad \begin{array}{l} 0 \\ 0 \\ 1 \\ 1 \end{array}$$

Bahagian/Section B

$$\begin{aligned} 5 \quad (a) \quad 55506 - 1239 &= 54267_{10} \\ &= 2202102220_3 \end{aligned}$$

$$\begin{array}{r} 54267 \\ \hline 3 | \quad 18089 \\ \hline 6029 \\ \hline 2009 \\ \hline 669 \\ \hline 223 \\ \hline 74 \\ \hline 24 \\ \hline 8 \\ \hline 2 \\ \hline 0 \end{array} \quad \begin{array}{l} 0 \\ 2 \\ 2 \\ 1 \\ 0 \\ 1 \\ 2 \\ 0 \\ 2 \end{array}$$

Praktis Sumatif

Kertas 1

$$\begin{array}{ccccc} 1 \quad B & 2 \quad D & 3 \quad B & 4 \quad C & 5 \quad D \\ 6 \quad A & 7 \quad D & 8 \quad C & 9 \quad B & 10 \quad C \end{array}$$

Kertas 2

Bahagian/Section A

$$\begin{aligned} 1 \quad 21202_3 &= 2(3^4) + 1(3^3) + 2(3^2) + 2(3^0) \\ &= 209_{10} \end{aligned}$$

$$\begin{array}{r} 209 \\ \hline 6 | \quad 34 \\ \hline 5 \\ \hline 0 \end{array} \quad \begin{array}{l} 5 \\ 4 \\ 5 \end{array}$$

$$21202_3 = 209_{10} = 545_6$$

$$k = 4$$

$$\begin{aligned} 2 \quad (a) \quad 1011_3 &= 1(3^3) + 1(3^1) + 1(3^0) \\ &= 31_{10} \end{aligned}$$

$$\begin{array}{r} 31 \\ \hline 4 | \quad 7 \\ \hline 1 \\ \hline 0 \end{array} \quad \begin{array}{l} 3 \\ 3 \\ 1 \end{array}$$

$$1011_3 = 31_{10} = 133_4$$

Maka/Thus, $n = 1$

$$\begin{aligned} (b) \quad 70_9 &= 7(9^1) \\ &= 63_{10} \end{aligned}$$

$$\begin{aligned}
 \text{(b)} \quad 76734_8 &= 7(8^4) + 6(8^3) + 7(8^2) + 3(8^1) + 4(8^0) \\
 &= 32220_{10} \\
 1100110101_2 &= 1(2^9) + 1(2^8) + 1(2^5) + 1(2^4) + 1(2^2) \\
 &\quad + 1(2^0) \\
 &= 821_{10} \\
 32220 - 821 &= 31399
 \end{aligned}$$

7	31 399	
7	4 485	4
7	640	5
7	91	3
7	13	0
7	1	6
	0	1

$$\begin{aligned}
 76734_8 - 1100110101_2 &= 32220_{10} - 821_{10} \\
 &= 160354_7
 \end{aligned}$$

6 $2468_9 = 2(9^3) + 4(9^2) + 6(9^1) + 8(9^0)$
 $= 1844_{10}$

6	1844	
6	307	2
6	51	1
6	8	3
6	1	2
	0	1

$$\begin{aligned}
 1844_{10} &= 12312_6 \\
 \text{Maka/Thus, } h &= 12312
 \end{aligned}$$

3	1844	
3	614	2
3	204	2
3	68	0
3	22	2
3	7	1
3	2	1
	0	2

$$\begin{aligned}
 1844_{10} &= 2112022_3 \\
 \text{Maka/Thus, } m &= 2112022
 \end{aligned}$$

4	1844	
4	461	0
4	115	1
4	28	3
4	7	0
4	1	3
	0	1

$$\begin{aligned}
 1844_{10} &= 130310_4 \\
 \text{Maka/Thus, } n &= 130310
 \end{aligned}$$

7 (a) $54_8, 1200_3, m_6, 101111_2$
 $54_8 = 5(8^1) + 4(8^0)$
 $= 44_{10}$
 $1200_3 = 1(3^3) + 2(3^2)$
 $= 45_{10}$

Tukar kepada asas 10/Convert to base 10:
 $44, 45, m_6, 47$
Maka/Thus, $m_6 = 46$

6	46	
6	7	4
6	1	1
	0	1

$$\begin{aligned}
 m_6 &= 114_6 \\
 m &= 114
 \end{aligned}$$

(b) $235_6, 165_7, p_8, q_9, 1203_4$
 $235_6 = 2(6^2) + 3(6^1) + 5(6^0)$
 $= 95_{10}$
 $165_7 = 1(7^2) + 6(7^1) + 5(7^0)$
 $= 96_{10}$

Tukar kepada asas 10/Convert to base 10:
 $95, 96, p_8, q_9, 99$
Maka/Thus, $p_8 = 97$ dan/and $q_9 = 98$

8	97	
8	12	1
8	1	4
	0	1

9	98	
9	10	8
9	1	1
	0	1

$$\begin{aligned}
 p_8 &= 141_8 \text{ dan/and } q_9 = 118_9 \\
 \text{Oleh itu/Hence, } p &= 141 \text{ dan/and } q = 118
 \end{aligned}$$