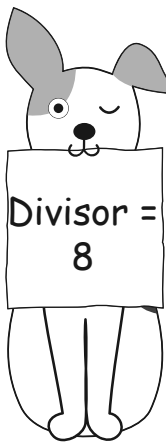


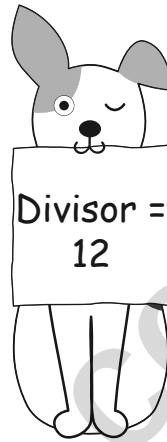
Dividend, Quotient and Divisor

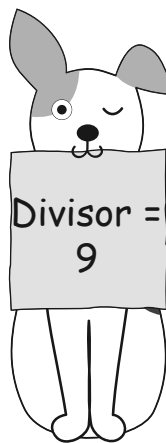
Choose the best possible remainder(s) for a given divisor.

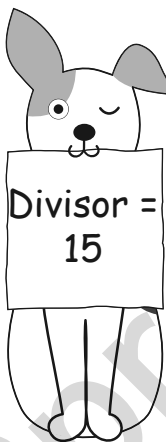
Hint
Remainder is always less than the divisor.

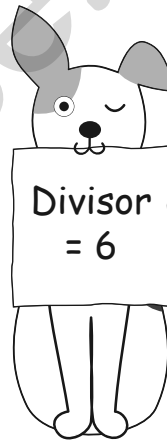


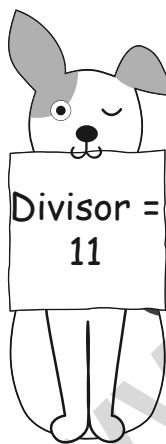
a)  (i) 6
(ii) 7
(iii) 9
(iv) 8

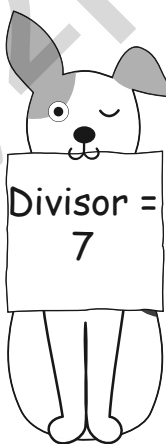
b)  (i) 10
(ii) 11
(iii) 12
(iv) 9

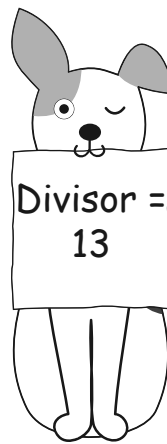
 (i) 7
(ii) 10
(iii) 9
(iv) 8

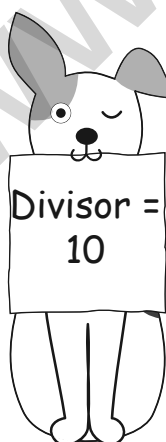
c)  (i) 14
(ii) 15
(iii) 13
(iv) 6

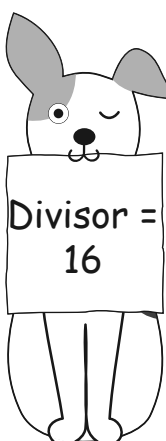
d)  (i) 3
(ii) 2
(iii) 4
(iv) 5

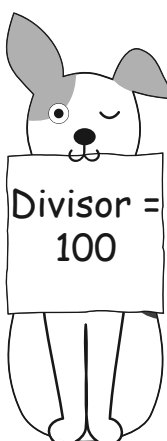
e)  (i) 12
(ii) 11
(iii) 10
(iv) 9

f)  (i) 7
(ii) 5
(iii) 6
(iv) 8

g)  (i) 17
(ii) 15
(iii) 12
(iv) 16

h)  (i) 11
(ii) 10
(iii) 8
(iv) 9

i)  (i) 17
(ii) 15
(iii) 16
(iv) 12

j)  (i) 100
(ii) 99
(iii) 101
(iv) 7


Checking of Division

Check your answer by using the following division algorithm.

$$\text{Dividend} = \text{Divisor} \times \text{Quotient} + \text{Remainder}$$

Solved Example

If




Dividend = 830
Divisor = 7
Quotient = 118
Remainder = 4

Then

$$\begin{aligned} & \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ & = 7 \times 118 + 4 \rightarrow \text{Remainder} \\ & = 826 + 4 \\ & = 830 \rightarrow \text{Dividend} \end{aligned}$$


a) **If**



Dividend = 4460
Divisor = 6
Quotient = 743
Remainder = 2

Then


b) **If**



Dividend = 2524
Divisor = 8
Quotient = 315
Remainder = 4

Then


c) **If**



Dividend = 4917
Divisor = 9
Quotient = 546
Remainder = 3

Then

d) **If**



Dividend = 1929
Divisor = 5
Quotient = 385
Remainder = 4

Then