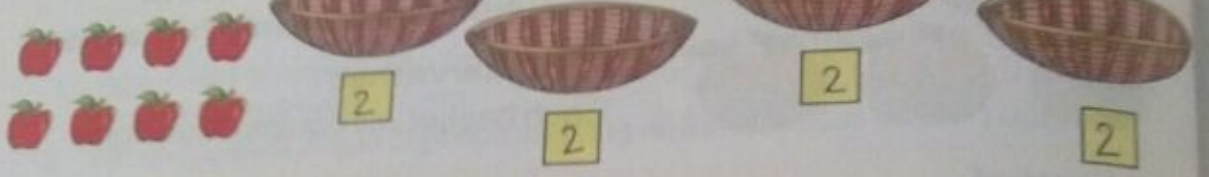
Exercise 5.1

Q1. These are 8 apples. Distribute them equally in 4 baskets. Now write the number of apples in each basket.

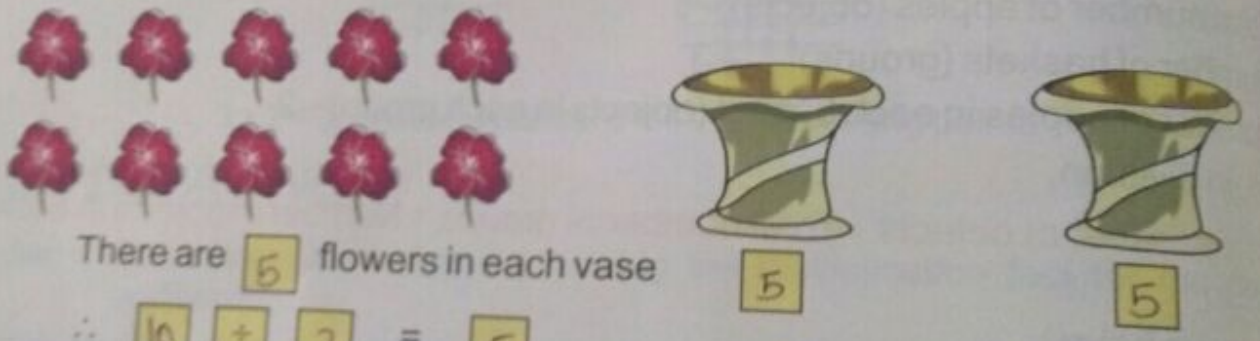


2 | 2 | 2 | 2

There are [2] apples in each basket

∴ [8] ÷ [4] = [2]

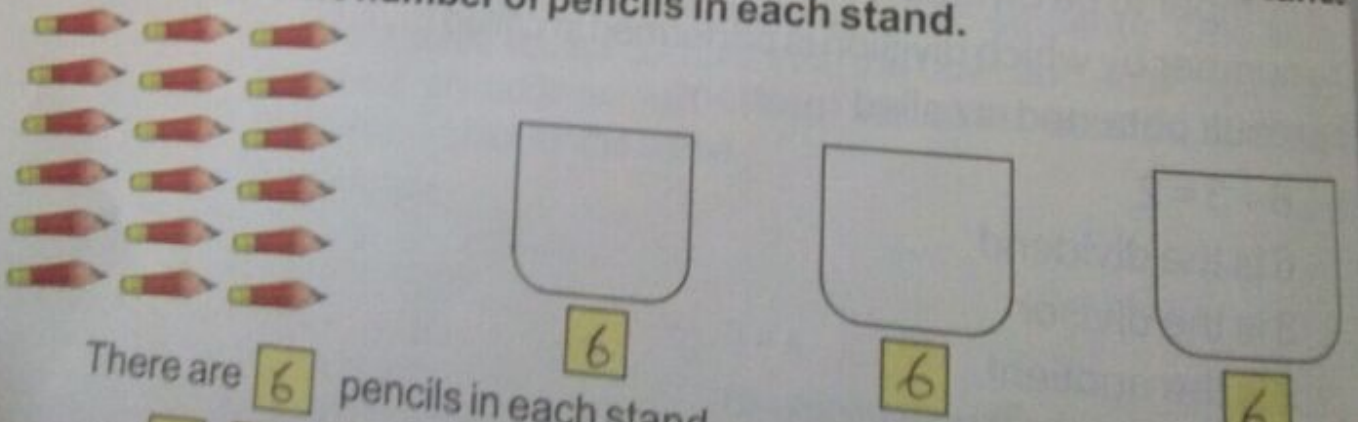
Q2. These are 10 flowers. Distribute them equally in 2 vases. Now write the number of flowers in each vase.



There are [5] flowers in each vase

∴ [10] ÷ [2] = [5]

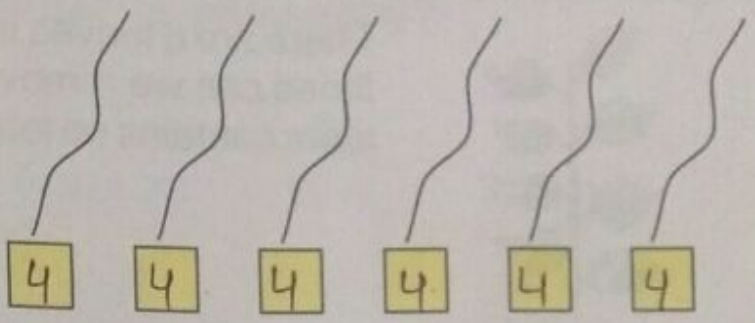
Q3. These are 18 pencils. Distribute them equally in 3 stands. Now write the number of pencils in each stand.



There are [6] pencils in each stand

∴ [18] ÷ [3] = [6]

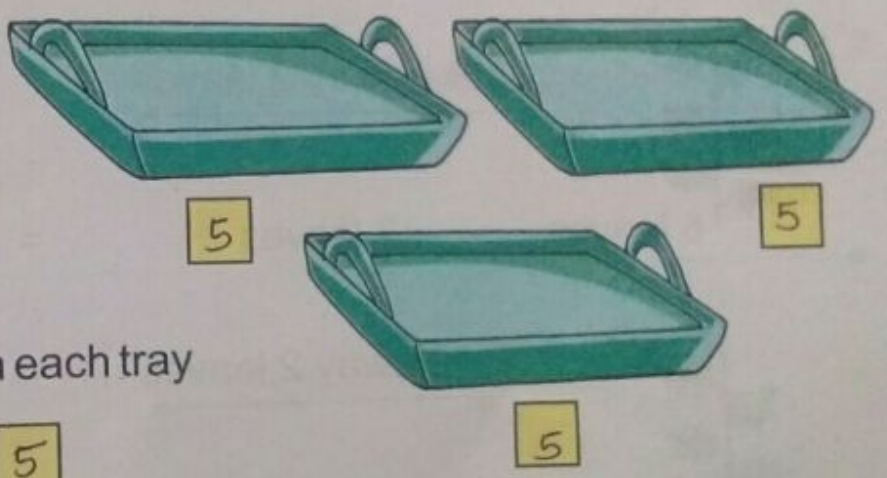
Q4. These are 24 beads. Distribute them equally in 6 strings. Now write the number of beads in each string.



There are 4 beads in each string

∴ 24 ÷ 6 = 4

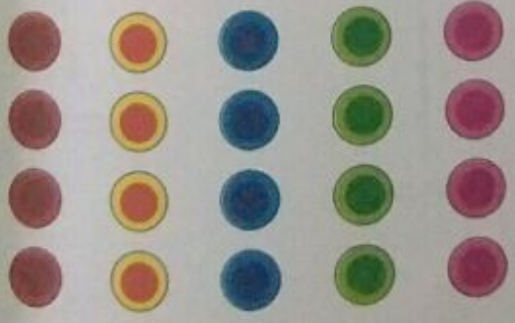
Q5. These are 15 glasses. Distribute them equally in 3 trays. Now write the number of glasses in each tray.

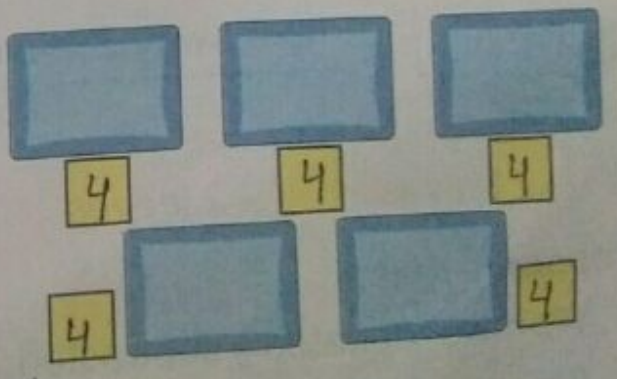


There are 5 glasses in each tray

∴ 15 ÷ 3 = 5

Q6. These are 20 bindis. Distribute them equally in 5 packets. Now write the number of bindis in each packet.





There are 4 bindis in each packet

∴ 20 ÷ 5 = 4

Exercise 5.2

Q1. How many times can the number be taken away?

(a)

6 from 18

18
−6 → 1 time
12
−6 → 2 times
6
−6 → 3 times
0

∴ 18 ÷ 6 = 3

(b)

4 from 20

20
−4 − ①
16
−4 − ②
12
−4 − ③
8
−4 − ④
4
−4 − ⑤
0

20 ÷ 4 = 5

(c)

3 from 12

12
−3 − ①
9
−3 − ②
6
−3 − ③
3
−3 − ④
0

12 ÷ 3 = 4

(d)

5 from 30

30
−5 − ①
25
−5 − ②
20
−5 − ③
15
−5 − ④
10
−5 − ⑤
5
−5 − ⑥
0

∴ 30 ÷ 5 = 6

(e)

2 from 14

14
−2 − ①
12
−2 − ②
10
−2 − ③
8
−2 − ④
6
−2 − ⑤
4
−2 − ⑥
2
−2 − ⑦
0

14 ÷ 2 = 7

(f) ÷

7 from 28

28
−7 − ①
21
−7 − ②
14
−7 − ③
7
−7 − ④
0

28 ÷ 7 = 4

(g)

4 from 16

16
−4 − ①
12
−4 − ②
8
−4 − ③
4
−4 − ④
0

∴ 16 ÷ 4 = 4

(h)

5 from 25

25
−5 − ①
20
−5 − ②
15
−5 − ③
10
−5 − ④
5
−5 − ⑤
0

25 ÷ 5 = 5

(i)

6 from 36

36
−6 − ①
30
−6 − ②
24
−6 − ③
18
−6 − ④
12
−6 − ⑤
6
−6 − ⑥
0

36 ÷ 6 = 6

(j)

7 from 21

21
−7 − ①
14
−7 − ②
7
−7 − ③
0

21 ÷ 7 = 3

(k)

8 from 32

32
−8 − ①
24
−8 − ②
16
−8 − ③
8
−8 − ④
0

32 ÷ 8 = 4

(l) ÷

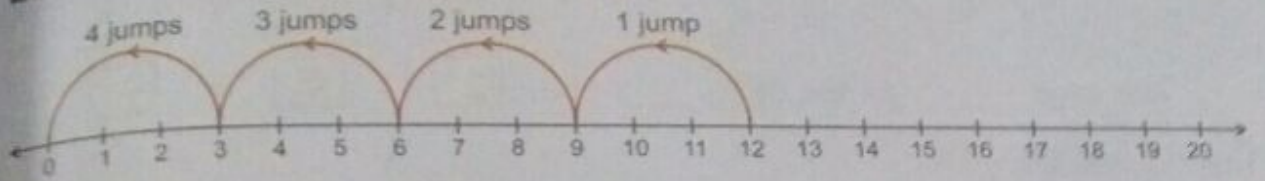
9 from 27

27
−9 − ①
18
−9 − ②
9
−9 − ③
0

27 ÷ 9 = 3

Division on number line using repeated subtraction

Look and Understand: Divide 12 by 3

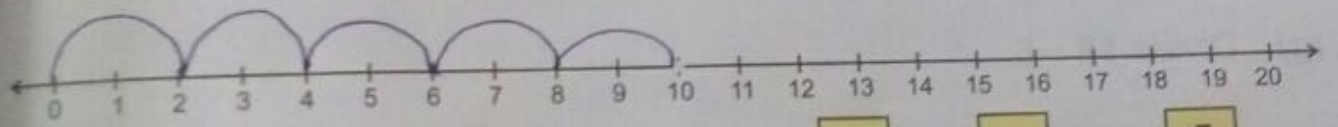


- Start from 12
- Take backward jumps of 3 steps each
- Your reach 0
- Count the number of jumps, which is the required answer that is $12 \div 3 = 4$

Exercise 5.3

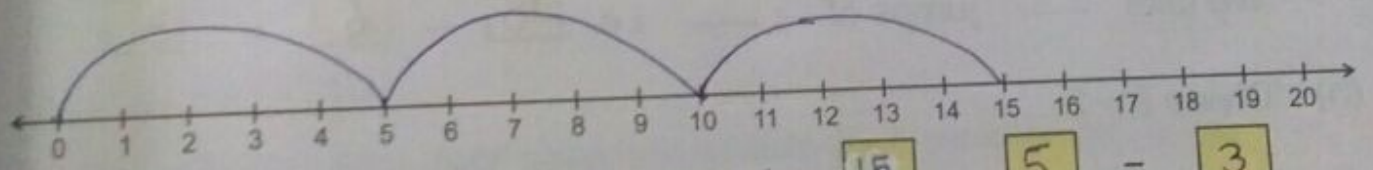
Q. 1 Divide the following using number line.

(a) Divide 10 by 2



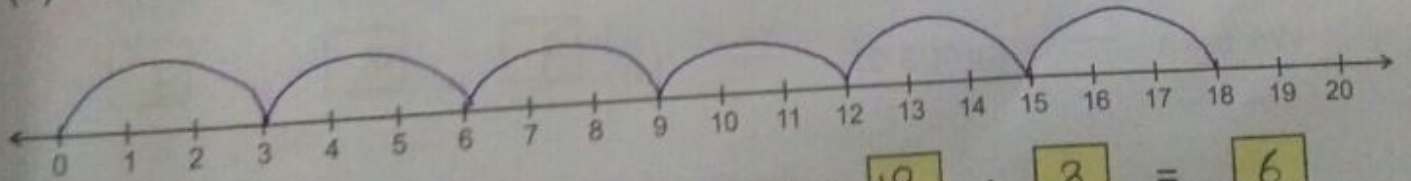
We take 5 jumps of 2 i.e. 10 ÷ 2 = 5

(b) Divide 15 ÷ 5



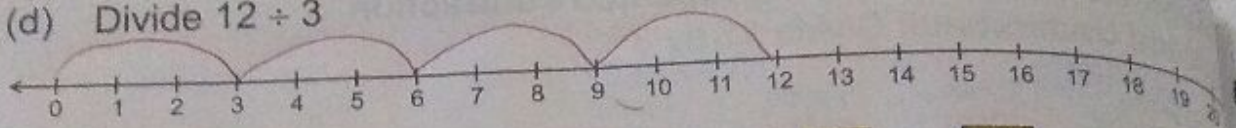
We take ___ jumps of ___ i.e. 15 ÷ 5 = 3

(c) Divide 18 ÷ 3



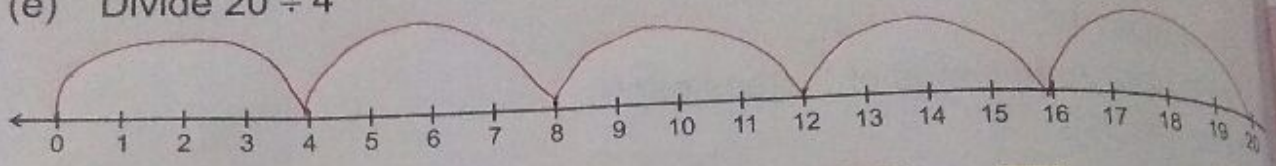
We take ___ jumps of ___ i.e. 18 ÷ 3 = 6

(d) Divide 12 ÷ 3



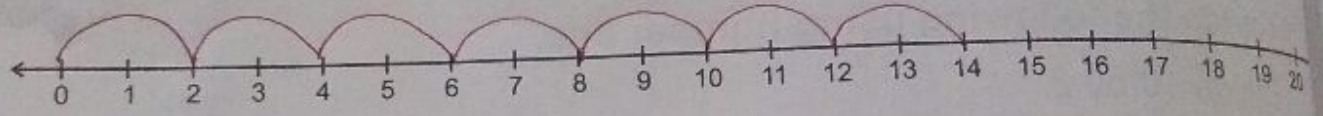
We take ___ jumps of ___ i.e. 12 ÷ 3 = 4

(e) Divide 20 ÷ 4



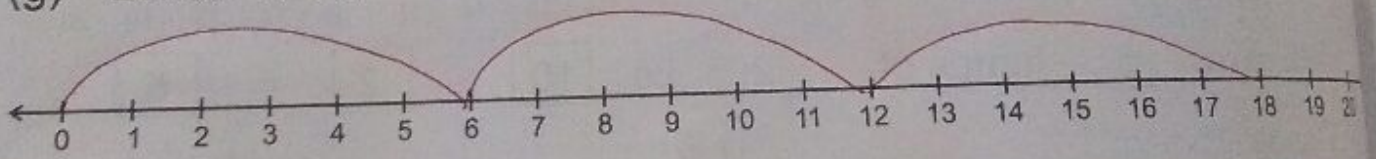
We take ___ jumps of ___ i.e. 20 ÷ 4 = 5

(f) Divide 14 ÷ 2



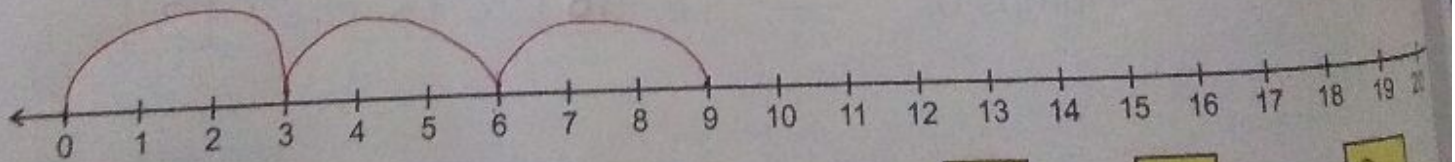
We take ___ jumps of ___ i.e. 14 ÷ 2 = 7

(g) Divide 18 ÷ 6



We take ___ jumps of ___ i.e. 18 ÷ 6 = 3

(h) Divide 9 ÷ 3



We take ___ jumps of ___ i.e. 9 ÷ 3 = 3

Exercise 5.4

Q1. Fill in the boxes with multiplication and division facts.

Multiplication fact	Division facts
(a) 2 × 7 = 14	14 ÷ 7 = 2 14 ÷ 2 = 7
(b) 5 × 3 = 15	15 ÷ 3 = 5 15 ÷ 5 = 3
(c) 6 × 4 = 24	24 ÷ 4 = 6 24 ÷ 6 = 4
(d) 4 × 5 = 20	20 ÷ 5 = 4 20 ÷ 4 = 5
(e) 7 × 6 = 42	42 ÷ 6 = 7 42 ÷ 7 = 6

Q2. Fill in the blanks.

(a) 15 ÷ 15 = 1

(b) 12 ÷ 1 = 12

(c) 0 ÷ 18 = 0

(d) 19 ÷ 1 = 19

(e) 23 ÷ 1 = 23

(f) 0 ÷ 9 = 0

(g) 13 ÷ 13 = 1

(h) 16 ÷ 1 = 16

(I) 17 ÷ 1 = 17

(j) 11 ÷ 11 = 1

(k) 0 ÷ 9 = 0

(l) 17 ÷ 1 = 17

(m) 14 ÷ 1 = 14

(n) 18 ÷ 18 = 1

Q3. Write the quotient for each of the following.

(a) 11 ÷ 1 = 11

(b) 19 ÷ 1 = 19

(c) 10 ÷ 1 = 10

(d) 23 ÷ 1 = 23

(e) 29 ÷ 1 = 29

(f) 20 ÷ 1 = 20

Q4. Write the quotient for each of the following.

(a) 0 ÷ 12 = 0

(b) 0 ÷ 26 = 0

(c) 0 ÷ 10 = 0

(d) 0 ÷ 18 = 0

(e) 0 ÷ 32 = 0

(f) 0 ÷ 13 = 0

Q5. Write the quotient for each of the following.

(a) 18 ÷ 18 = 1

(b) 29 ÷ 29 = 1

(c) 33 ÷ 33 = 1

(d) 20 ÷ 20 = 1

(e) 17 ÷ 17 = 1

(f) 43 ÷ 43 = 1