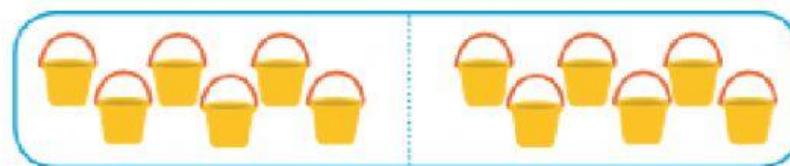# 7 Division

Let's Learn!

Quotient and Remainder

1 Siti and Annissa had 12 pails.
They divided the pails equally between themselves.

a How many pails did each girl receive?

b How many pails were left?

a $12 \div 2 = ?$

From above, $12 \div 2 = 6$.

We can use the following format called **long division** to carry out our calculations.

$$\begin{array}{r} 6 \leftarrow \text{Quotient} \\ 2\overline{)12} \\ \underline{12} \\ 0 \leftarrow \text{Remainder} \end{array}$$

Divide the 12 pails into 2 equal groups.

$6 \times 2 = 12$
$2 \times 6 = 12$

Quotient = 6
There are 6 pails in each group.
Each girl received 6 pails.

b Remainder = 0
So, there were no pails left.

120

2 Sarah, Yati, Azwan and Zainal had 11 seashells.
They shared the seashells equally among themselves.

a How many seashells did each child receive?

b How many seashells were left?

a $11 \div 4 = ?$

Divide the 11 seashells into 4 equal groups.

2 ← Quotient
4)11
   8
   3 ← Remainder

$4 \times 2 = 8$
8 is smaller than 11.

$4 \times 3 = 12$
12 is greater than 11.

Choose 2 as the quotient.

$11 \div 4$ = 2 in each group with remainder 3
= 2 R3

Quotient = 2
Remainder = 3

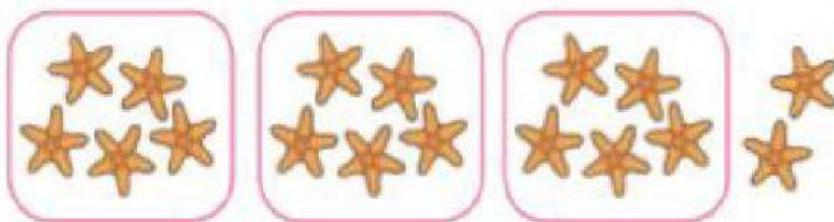Each child received 2 seashells.

b 3 seashells were left.

3 3 children shared 17 starfish equally among themselves.

a How many starfish did each child receive?

b How many starfish were left?

a $17 \div 3 = ?$

$$3 \overline{)1\ 7}$$

$3 \times 5 = 15$
15 is smaller than 17.

$3 \times 6 = 18$
18 is greater than 17.

Choose [5] as the quotient.

$17 \div 3$ = [ ] in each group with remainder [ ]

= [ ] R [ ]

Quotient = [ ]

Remainder = [ ]

Each child received [ ] starfish.

https://www.liveworksheets.com/go131974kt