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8

Introducing Division

EXAMPLE

There are 8 cakes. Put them on the plates in groups of 2. How many plates are needed?



Circle the cakes in groups of 2.

How many cakes are there?

8 cakes.

How many cakes in each group?

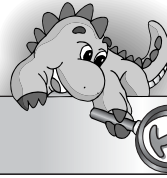
2 cakes.

How many groups are there?

4 groups.

There are 4 groups of two in 8.

4 plates are needed for 8 cakes with 2 cakes on each plate.



HINTS:

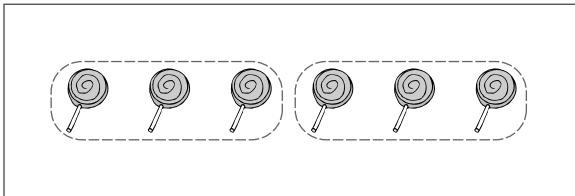
- Division is to share things equally into groups of the same size.
- "÷" means DIVIDE.
- Use a division sentence to represent division.

e.g. 4 groups of two in eight is expressed as:

$$\begin{array}{c} 8 \div 2 = 4 \\ \swarrow \quad \uparrow \quad \searrow \\ \text{dividend} \quad \text{divisor} \quad \text{quotient} \end{array}$$

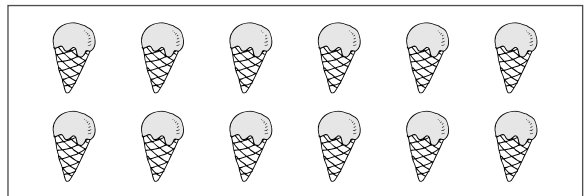
Group the goodies and complete each statement.

①



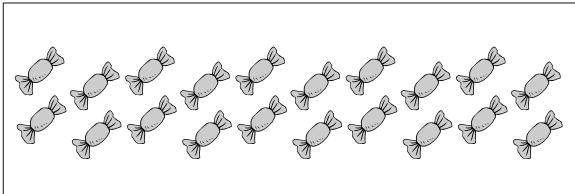
There are 2 groups of three in 6.

②



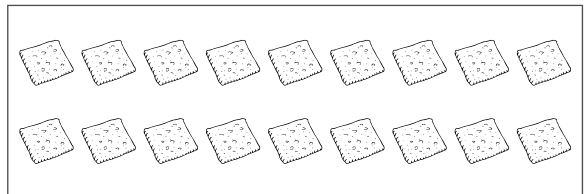
There are _____ groups of four in 12.

③



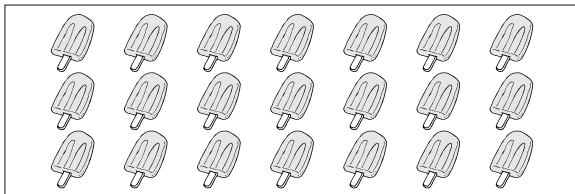
There are _____ groups of five in 20.

④



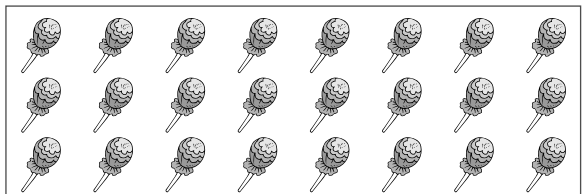
There are _____ groups of two in 18.

⑤





There are _____ groups of three in 21.

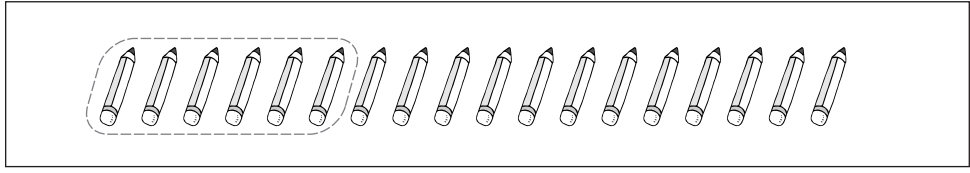
⑥





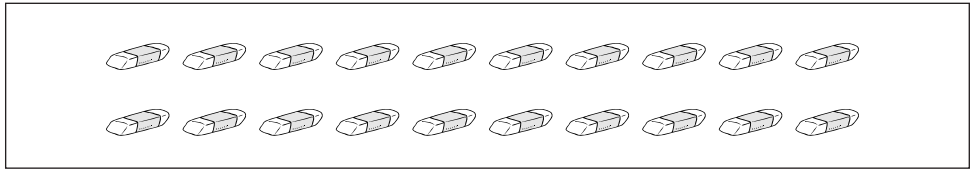
There are _____ groups of six in 24.



Help the children divide the stationery equally among themselves. Complete each statement.

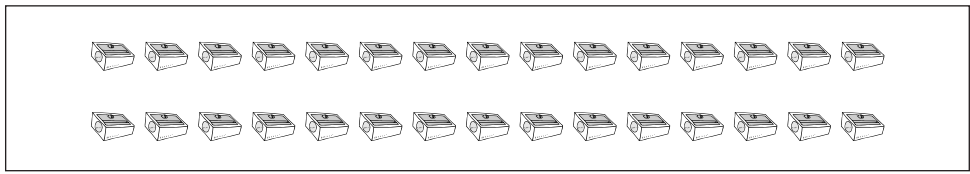
- ⑦ Divide 18  equally among 3 children. Each child has _____ .





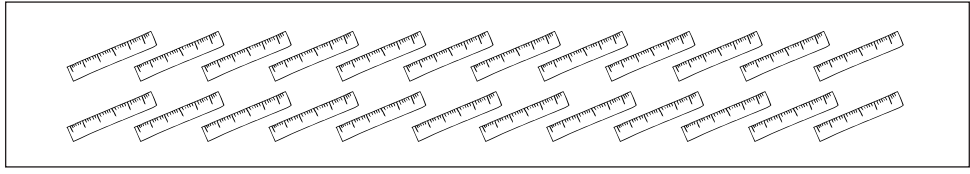
- ⑧ Divide 20  equally among 4 children. Each child has _____ .




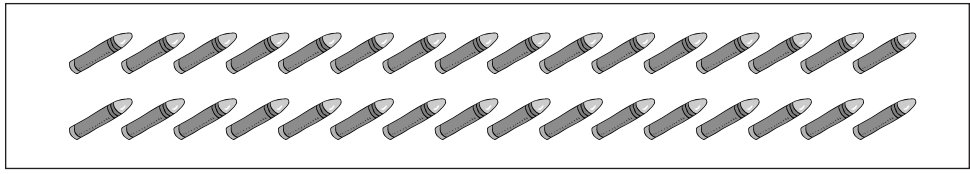
- ⑨ Divide 30  equally among 5 children. Each child has _____ .





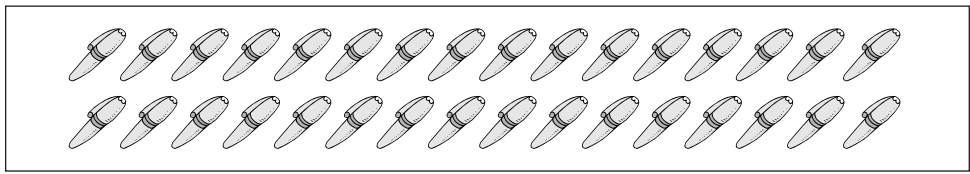
- ⑩ Divide 24  equally among 6 children. Each child has _____ .



- ⑪ Divide 32  equally among 4 children. Each child has _____ .



- ⑫ Divide 32  equally among 6 children. Each child has _____  with _____  left over.

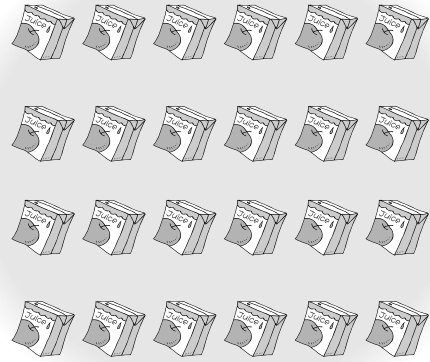


Aunt Mary has 24 boxes of juice. Fill in the blanks to show how she divides the juice equally among the children.

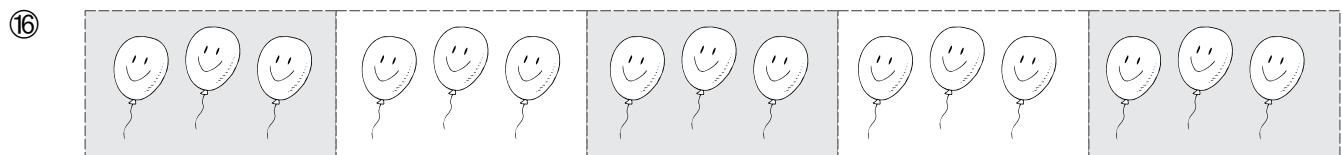
⑬ If each child gets 3 boxes, the juice can be shared among _____ children.



⑭ If each child gets 4 boxes, the juice can be shared among _____ children.

⑮ If each child gets 5 boxes, the juice can be shared among _____ children with _____ boxes left over.



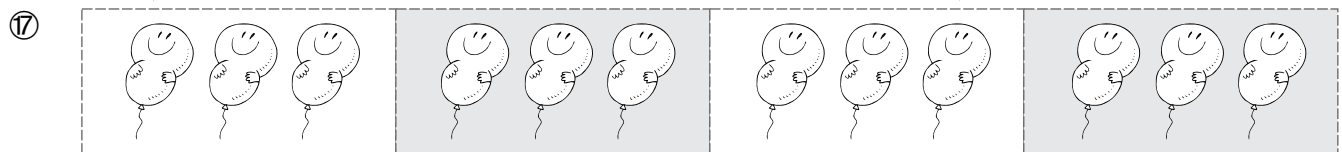
Complete the division sentence for each picture.





Put 15  into 5 bunches. Each bunch has _____ .

$$15 \div 5 = \underline{\hspace{2cm}}$$

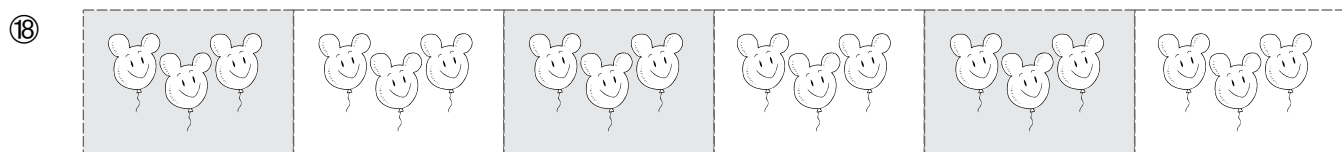
15  divided into 5 bunches makes _____  in each bunch.



Put 12  into 4 bunches. Each bunch has _____ .



$$12 \div 4 = \underline{\hspace{2cm}}$$

12  divided into 4 bunches makes _____  in each bunch.




Put 18  into bunches of 3 . There are _____ bunches.

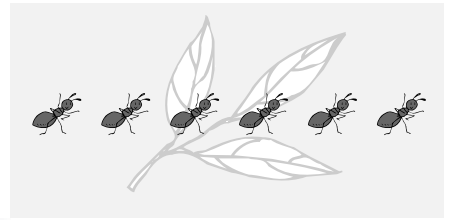
$$18 \div 3 = \underline{\hspace{2cm}}$$


18  divided into bunches of 3  makes _____ bunches.

Count and complete the division sentence for each picture.

① 6  divided into 2 equal groups.
6 ÷ 2 =


There are  in each group.



②  divided into groups of 4.
 ÷ =


There are groups of .




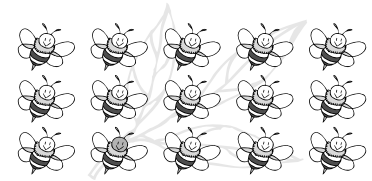
③  divided into 3 equal groups.
 ÷ =


There are  in each group.



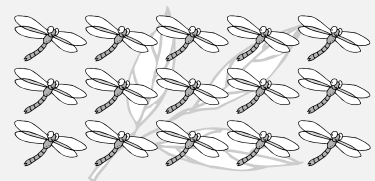
④  divided into groups of 5.
 ÷ =


There are groups of .



⑤  divided into groups of 3.
 ÷ =

There are groups of .



⑥  divided into 5 equal groups.
 ÷ =

There are  in each group.



Fill in the missing numbers to continue the multiplication.

The number in each box is the product of the multiplication sentence on the left of \longrightarrow .

① $2 \times 3 \longrightarrow \square \times 4 \longrightarrow \square \times 0 \longrightarrow \square$

② $3 \times 3 \longrightarrow \square \times 5 \longrightarrow \square \times 1 \longrightarrow \square$