Division

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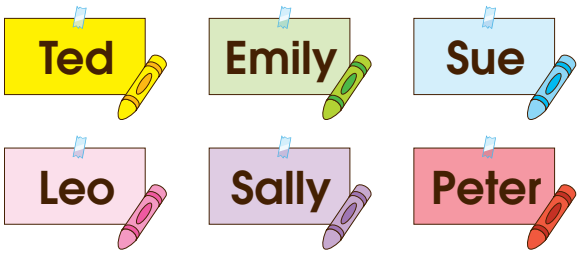
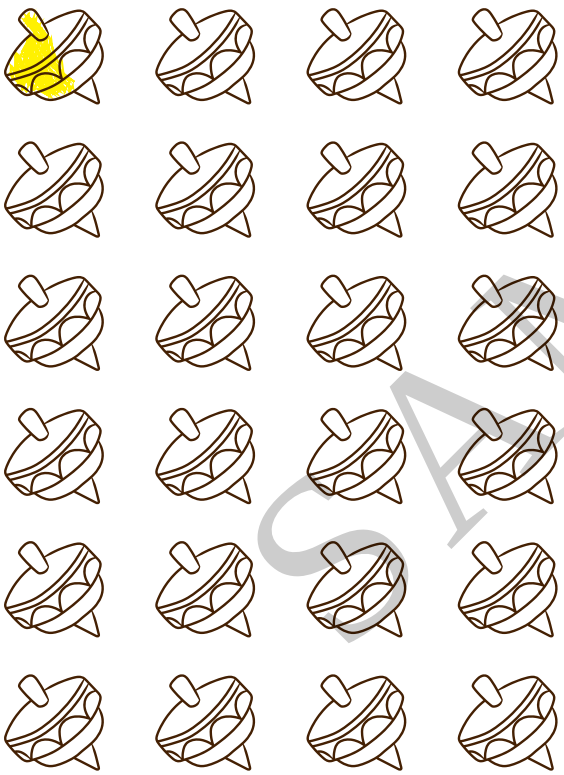
Divide the toys equally among the children. Help the children fill their toys. Then write the numbers.

① Divide 24 tops among 6 children.

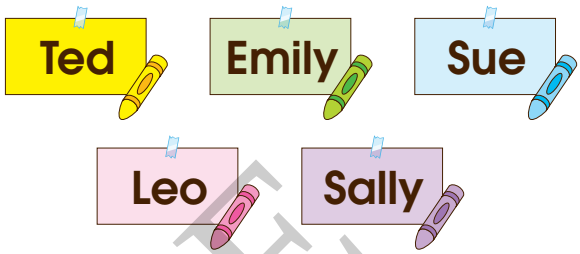


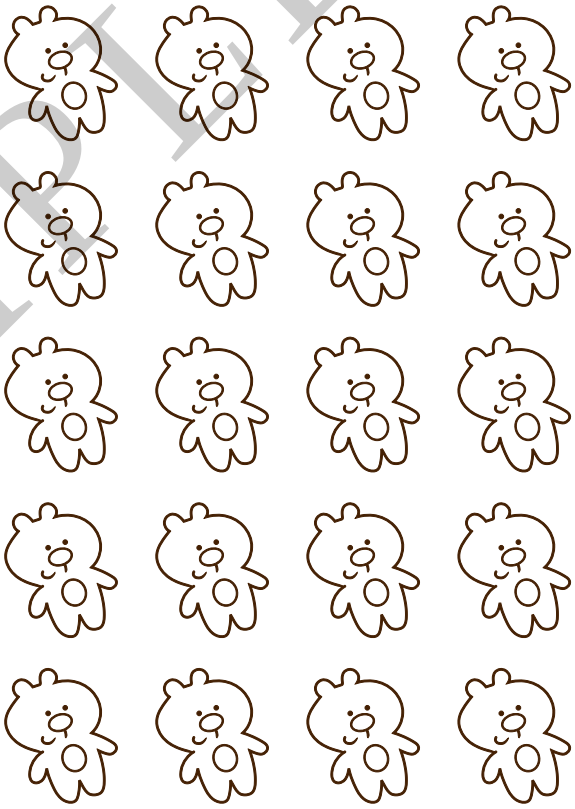


____ ÷ ____ = ____

Each gets _____ tops.

② Divide 20 bears among 5 children.



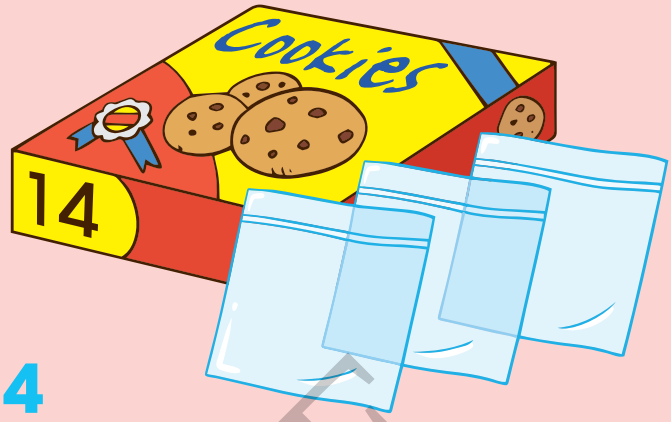


____ ÷ ____ = ____

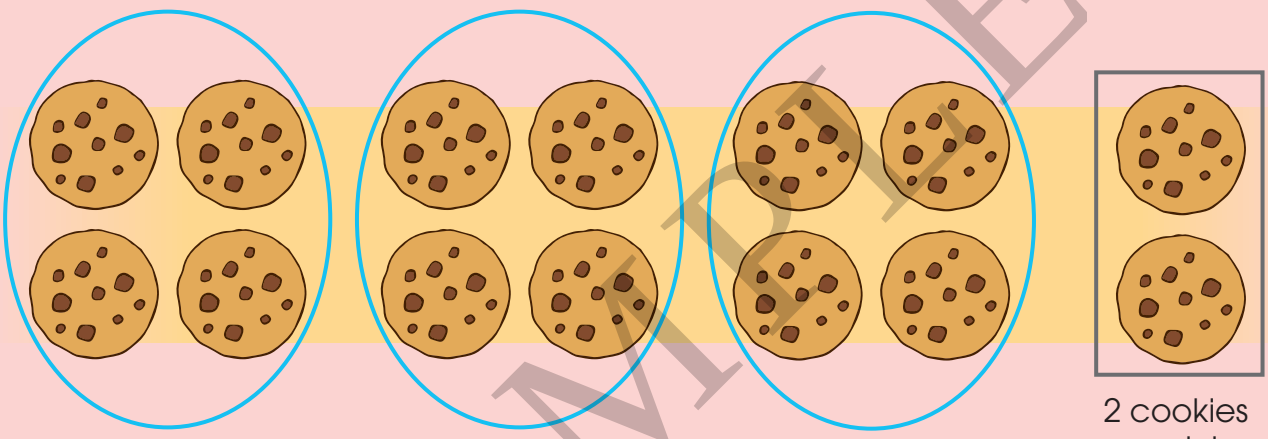
Each gets _____ bears.

Unit 2

Put every 4 cookies in a bag. How many bags are needed? How many cookies are left?



14 cookies in groups of **4**



2 cookies remaining

14 ÷ **4** = 3R2 ← 3 groups in total; 2 cookies left

↑ total number of cookies

↑ number of cookies in each group

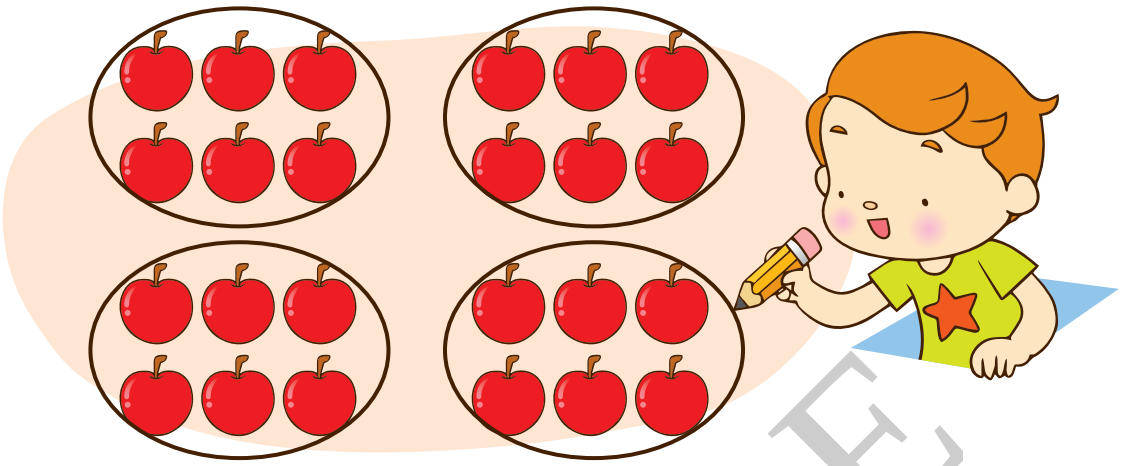
3 bags are needed.

2 cookies are left.

If a group of things cannot be divided up equally, there is a remainder.

See how the boy puts the items into groups. Write the numbers. Then find the answers.

①

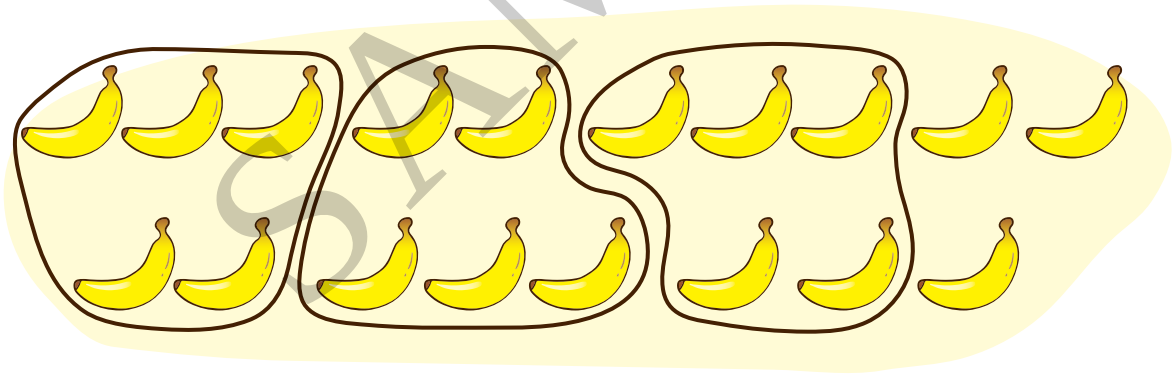


_____ apples are divided into groups of _____ .

24 ÷ _____ = _____

There are _____ groups of apples.

②



_____ bananas are divided into groups of _____ .

18 ÷ _____ = _____R_____

There are _____ groups of bananas.

_____ bananas are left.

Look at the multiplication fact. Write the two related division facts.

① 5 x 6 = 30

30 ÷ _____ = _____

30 ÷ _____ = _____

② 7 x 4 = 28

_____ ÷ _____ = _____

_____ ÷ _____ = _____

A fact family has 4 related facts with the same 3 numbers. Can you see that multiplication is the opposite of division?

Examples:

6 x 7 = 42

7 x 6 = 42

42 ÷ 6 = 7

42 ÷ 7 = 6

③ 2 x 4 = 8

④ 8 x 9 = 72

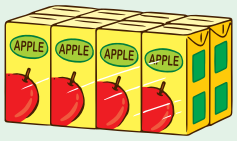
⑤ 5 x 8 = 40

⑥ 8 x 3 = 24

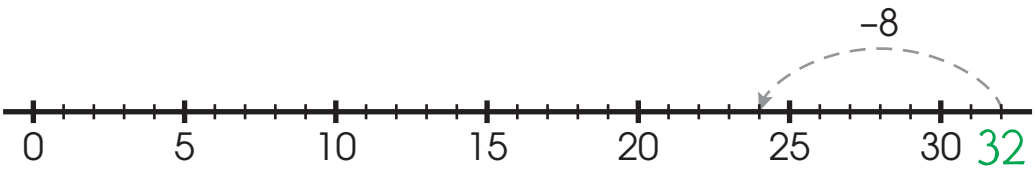
⑦ 4 x 9 = 36

⑧ 5 x 7 = 35

Look at the pictures. Solve the division problems using repeated subtraction and long division.

① 

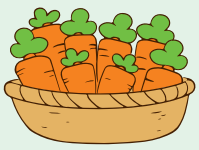
There are 32 juice boxes.
Each pack has 8 juice boxes.



$8\overline{)32}$

32 − □ − □ − □ − □ = 0

____ packs

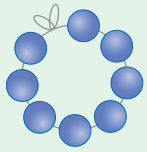
② 

There are 24 carrots.
Each basket has 8 carrots.

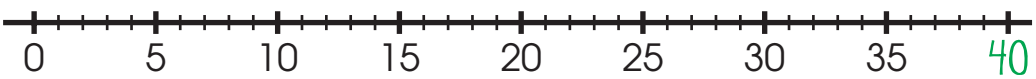
$8\overline{)\square\square}$

_____ − _____ = _____

_____ baskets

③ 

There are 40 beads.
Each bracelet has 8 beads.



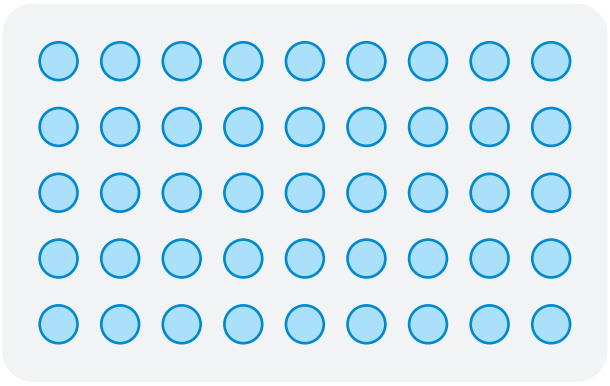
$8\overline{)\square\square}$

_____ − _____ = _____

_____ bracelets

Circle to divide the items into groups. Then write the numbers.

① Put 45  into groups of 8.

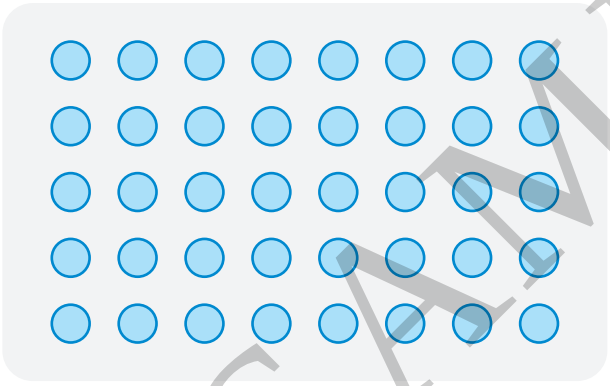


45 ÷ ____ = ____R____

____ groups of 

____  left

② Put 40  into groups of 9.

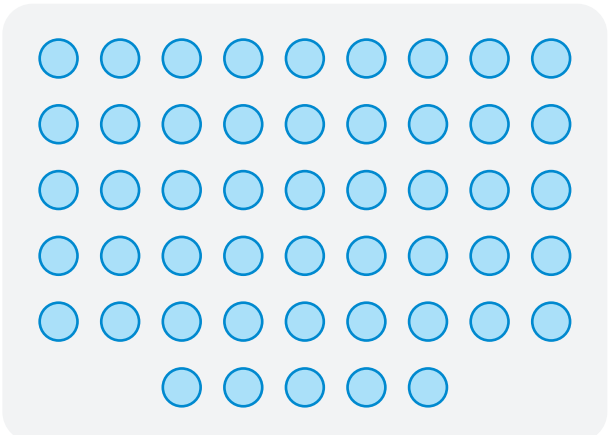


40 ÷ ____ = ____R____

____ groups of 

____  left

③ Put 50  into groups of 8.



50 ÷ ____ = ____R____

____ groups of 

____  left

Do the long division.

quotient in the ones place

① 6 | 4 5

Steps to do long division:

1st Divide: 45 ÷ 6

2nd Multiply: Recall the 6 times table.
7 x 6 = 42 (close to but not greater than 45)

3rd Subtract: 45 – 42 = 3 (remainder)

② 2 | 1 9

③ 8 | 4 6

④ 9 | 3 4

⑤ 7 | 5 1

⑥ 4 | 2 6

⑦ 3 | 1 7

⑧ 5 | 3 9

⑨ 6 | 4 4

⑩ 8 | 5 3

Solve the problems.

① 40 cupcakes are arranged in rows of 6. How many rows of cupcakes are there? How many cupcakes are left?

There are _____ rows of cupcakes.

_____ cupcakes are left.

② 37 books are put equally on 4 shelves. How many books are there on each shelf? How many books are left?

_____

_____

③ 14 cookies are shared equally among 5 boys. How many cookies does each boy get? How many cookies are left?

_____

_____

④ A pizza costs $4. How many pizzas can be bought at most with $30? How much money is left?

_____

_____