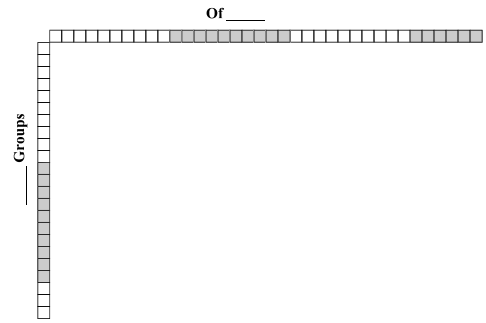
Partition Division

With

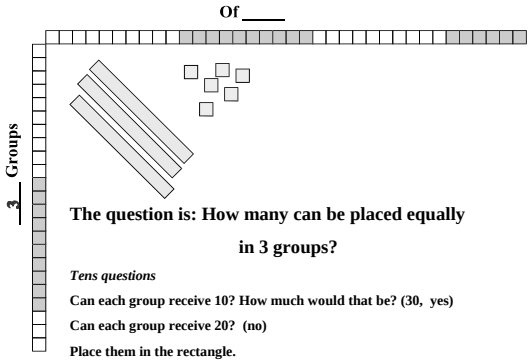
Base 10 Blocks



Problem: 3) 36 or 36 ÷ 3 or $\frac{36}{3}$ =

Place 36 on the placemat.

What is the partition question?



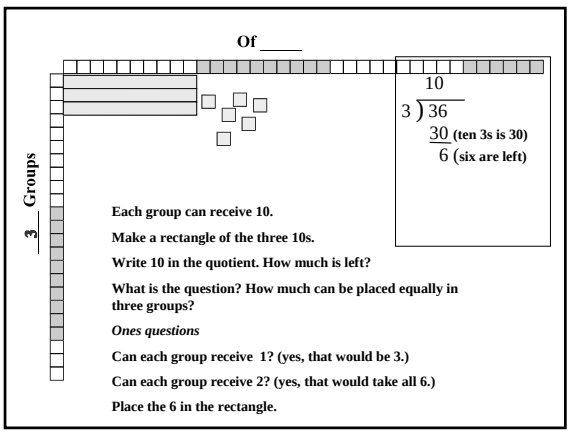
The question is: How many can be placed equally in 3 groups?

Tens questions

Can each group receive 10? How much would that be? (30, yes)

Can each group receive 20? (no)

Place them in the rectangle.



Each group can receive 10.

Make a rectangle of the three 10s.

Write 10 in the quotient. How much is left?

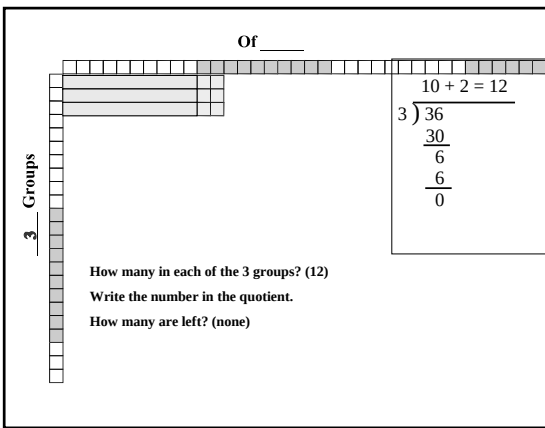
What is the question? How much can be placed equally in three groups?

Ones questions

Can each group receive 1? (yes, that would be 3.)

Can each group receive 2? (yes, that would take all 6.)

Place the 6 in the rectangle.



How many in each of the 3 groups? (12)

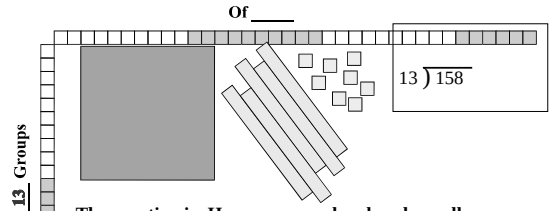
Write the number in the quotient.

How many are left? (none)

Problem: $13\overline{)158}$ or $158 \div 13$ or $\frac{158}{13}$ =

Place 158 on the placemat.

What is the partition question?



The question is: How many can be placed equally in 13 groups?

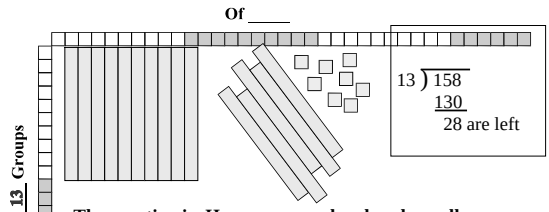
Hundreds questions

Can each group receive 100? How much would that be? (1300, no)

Exchange the 100 for 10 tens.

How many tens? (15)

Ask the tens questions



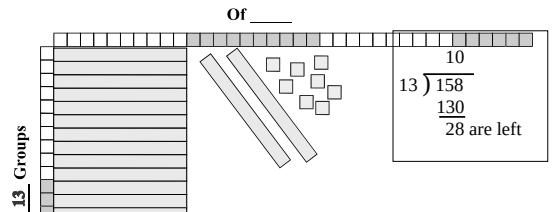
The question is: How many can be placed equally in 13 groups?

Tens questions

Can each group receive 10? How much would that be? (130, yes)

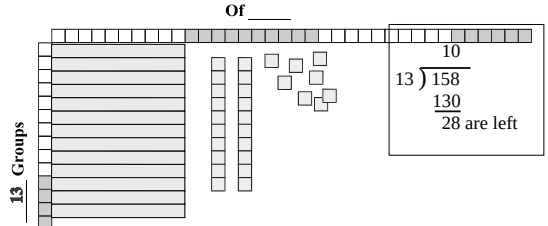
Can each group receive 20? (no)

Give each group 10.



Exchange the left over tens for ones.

Ask the ones questions.



Ones questions

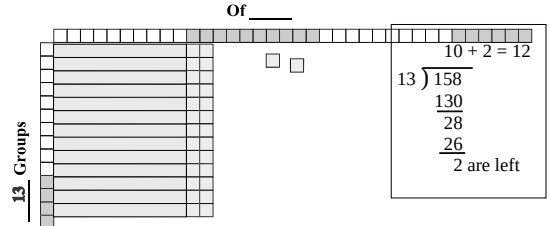
Can each group receive 1? (yes, it would take 13)

Can each group receive 2? (yes, it would take 26)

Can each group receive 3? (no)

Give each group 2.

How many are left? (2)



158 ÷ 13 = 12 with a remainder of 2