

17.11.20

L.O: To identify factors

1)

a) List the first 10 multiples of 6

b) List the first 10 multiples of 9

c) Write down any numbers listed that are multiples of both 6 and 9.

2) Which number is not a multiple of 9?

97

54

81

18

3) _____ $\times$ 8 = 32

1) a) List the first 10 multiples of 6

6, 12, 18, 24, 30, 36, 42, ~~48~~, 54, 60

b) List the first 10 multiples of 9

9, 18, 27, 36, 45, 54, 63, 72, 81, 90

c) Write down any numbers listed that are multiples of both 6 and 9.

18, 36 and 54

2) Which number is not a multiple of 9?

97

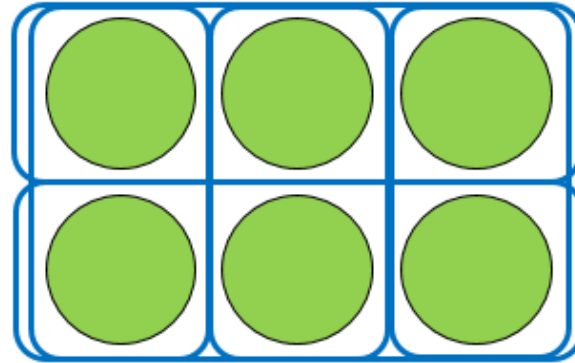
54

81

18

3) 4 $\times$ 8 = 32

What is a factor?

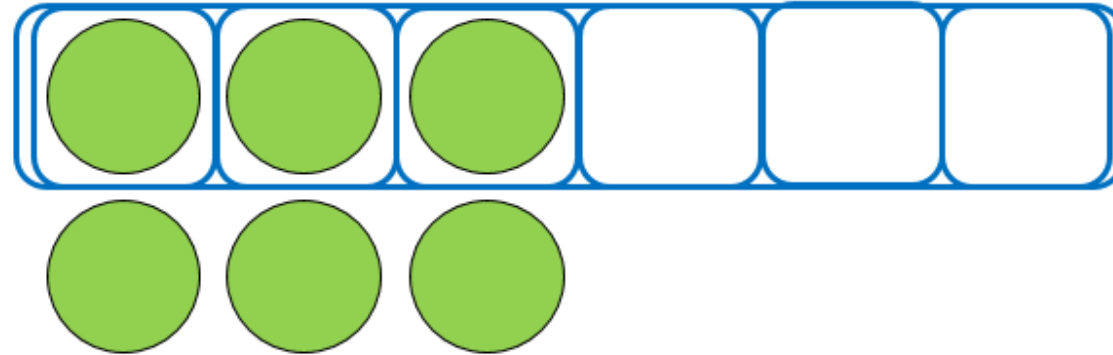


2 rows of 3 are equal to 6 $2 \times 3 = 6$

3 columns of 2 are equal to 6 $3 \times 2 = 6$

2 and 3 are factors of 6

Are there any other factors of 6?



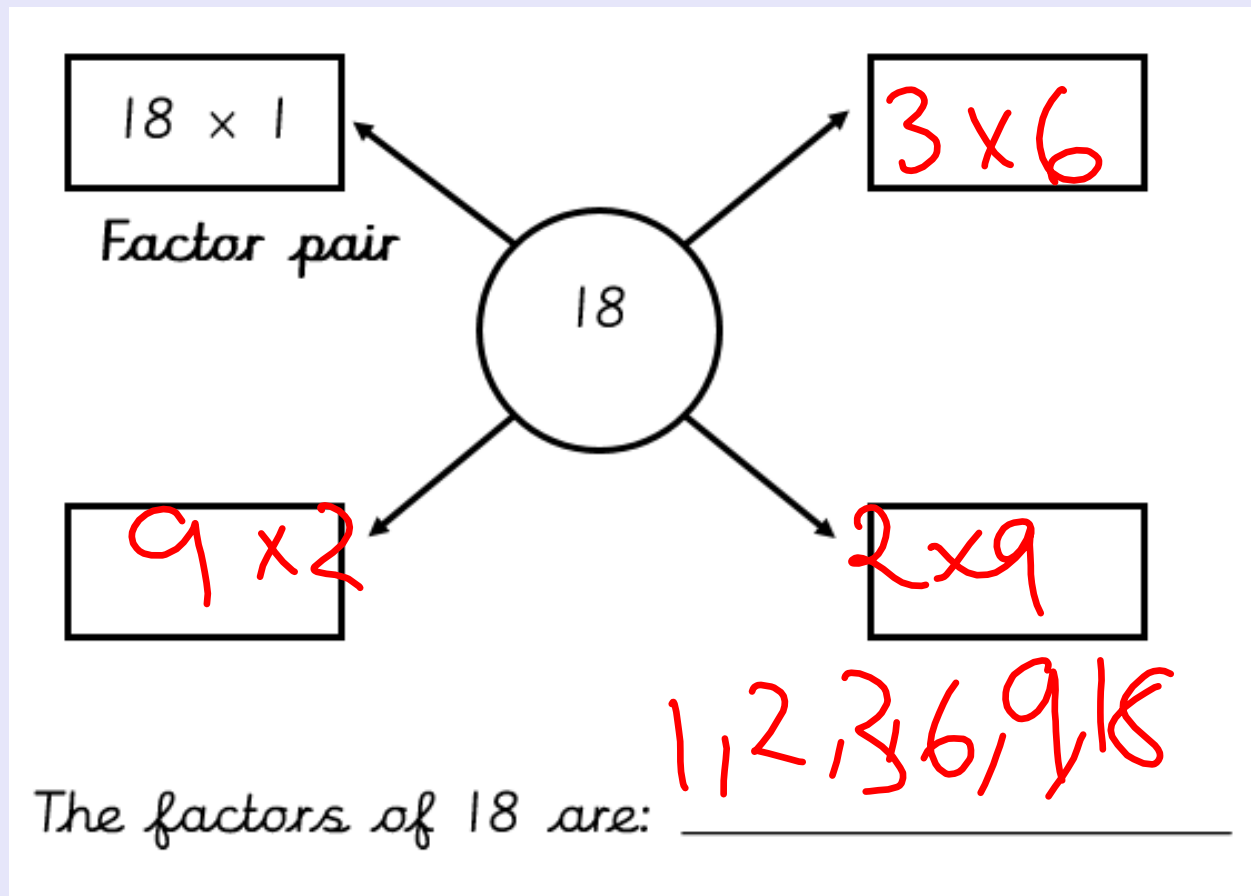
1 row of 6 is equal to 6 $1 \times 6 = 6$

6 columns of 1 are equal to 6 $6 \times 1 = 6$

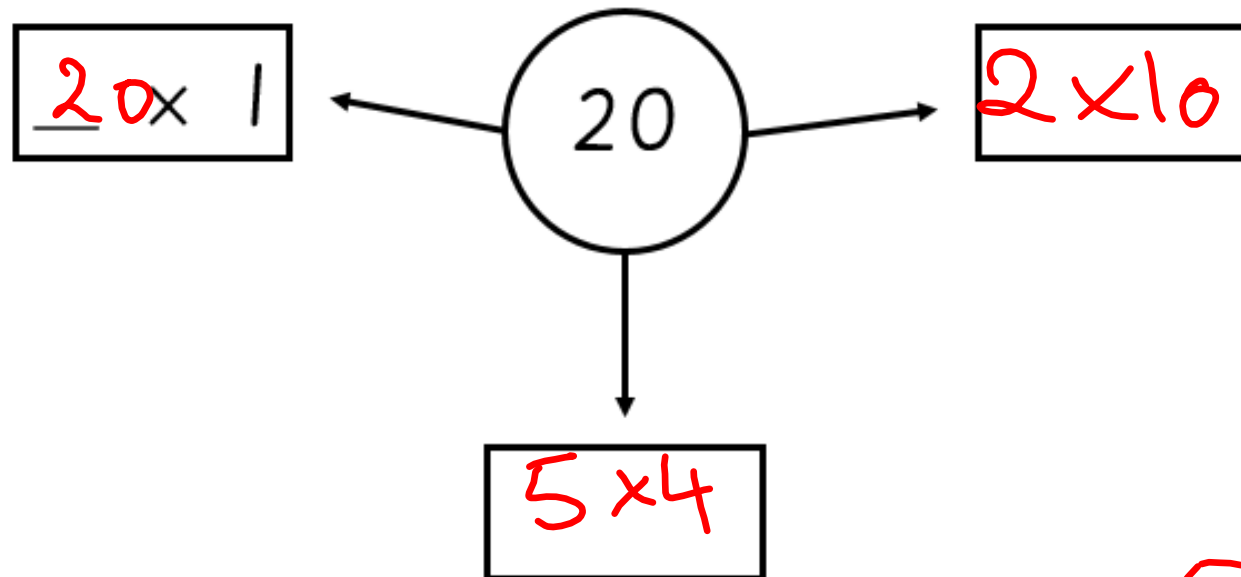
1 and 6 are factors of 6

The factors of 6 are: 1, 2, 3 and 6

I do

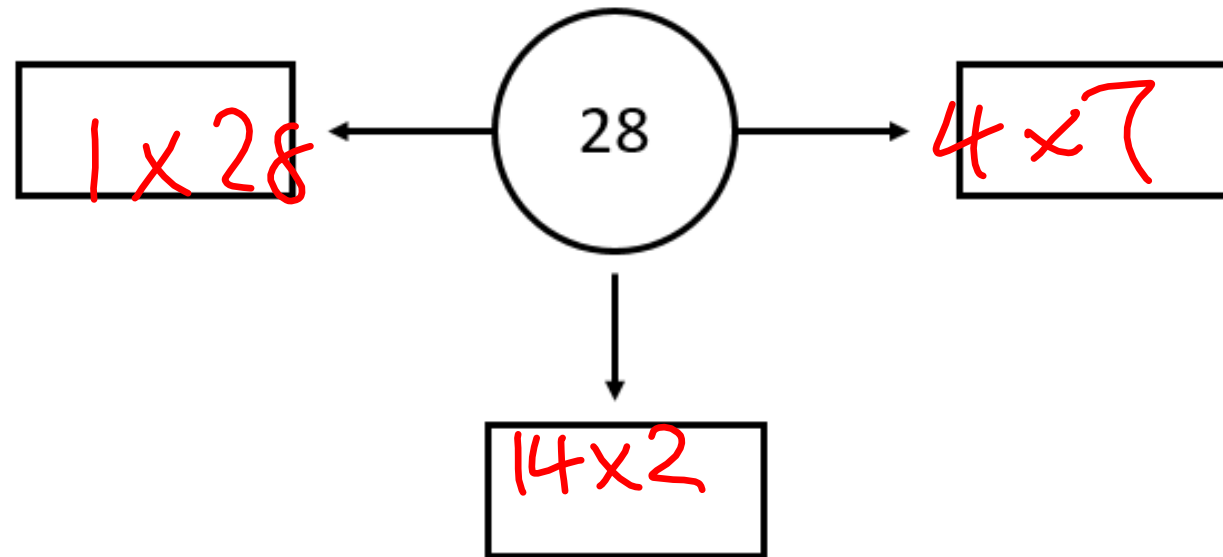


We do



The factors of 20 are: 1, 2, 4, 5, 10, 20

You do



The factors of 28 are: 1, 2, 4, 7, 14, 28

Question 1: List all the factors of these numbers

- | | | | | | | |
|--------|--------|--------|--------|---------|--------|--------|
| (a) 8 | (b) 10 | (c) 7 | (d) 12 | (e) 20 | (f) 22 | (g) 18 |
| (h) 50 | (i) 15 | (j) 19 | (k) 30 | (l) 100 | (m) 32 | (n) 24 |

Question 2: Is 3 a factor of.... ?

- | | | | | | | |
|--------|--------|--------|--------|--------|---------|---------|
| (a) 14 | (b) 21 | (c) 27 | (d) 32 | (e) 57 | (f) 301 | (g) 100 |
|--------|--------|--------|--------|--------|---------|---------|

Question 3: Is 5 a factor of.... ?

- | | | | | | | |
|--------|--------|--------|--------|--------|---------|---------|
| (a) 20 | (b) 34 | (c) 40 | (d) 38 | (e) 45 | (f) 102 | (g) 135 |
|--------|--------|--------|--------|--------|---------|---------|

Question 4: Is 9 a factor of.... ?

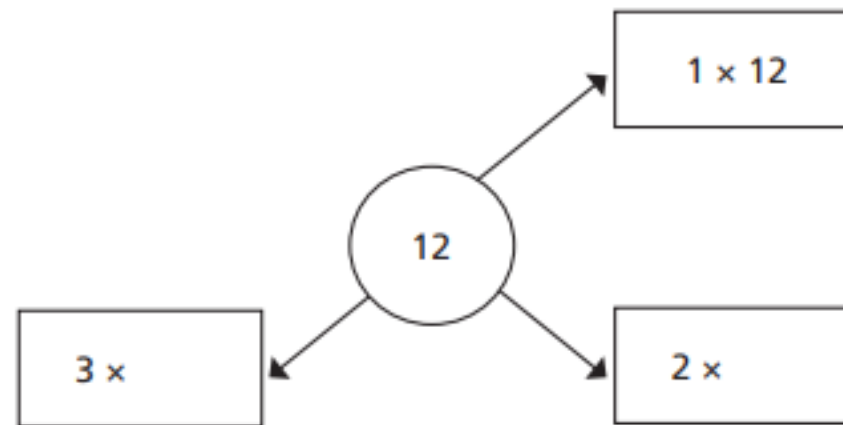
- | | | | | | | |
|--------|--------|--------|---------|---------|----------|---------|
| (a) 38 | (b) 90 | (c) 72 | (d) 108 | (e) 909 | (f) 9001 | (g) 293 |
|--------|--------|--------|---------|---------|----------|---------|

Question 1: 21 25 30 45
Which number is the odd one out? why?

Question 2: Mary has 26 sweets and is able to share them evenly between her friends.
Mary has more than 1 friend.
Write down how many friends Mary might have.



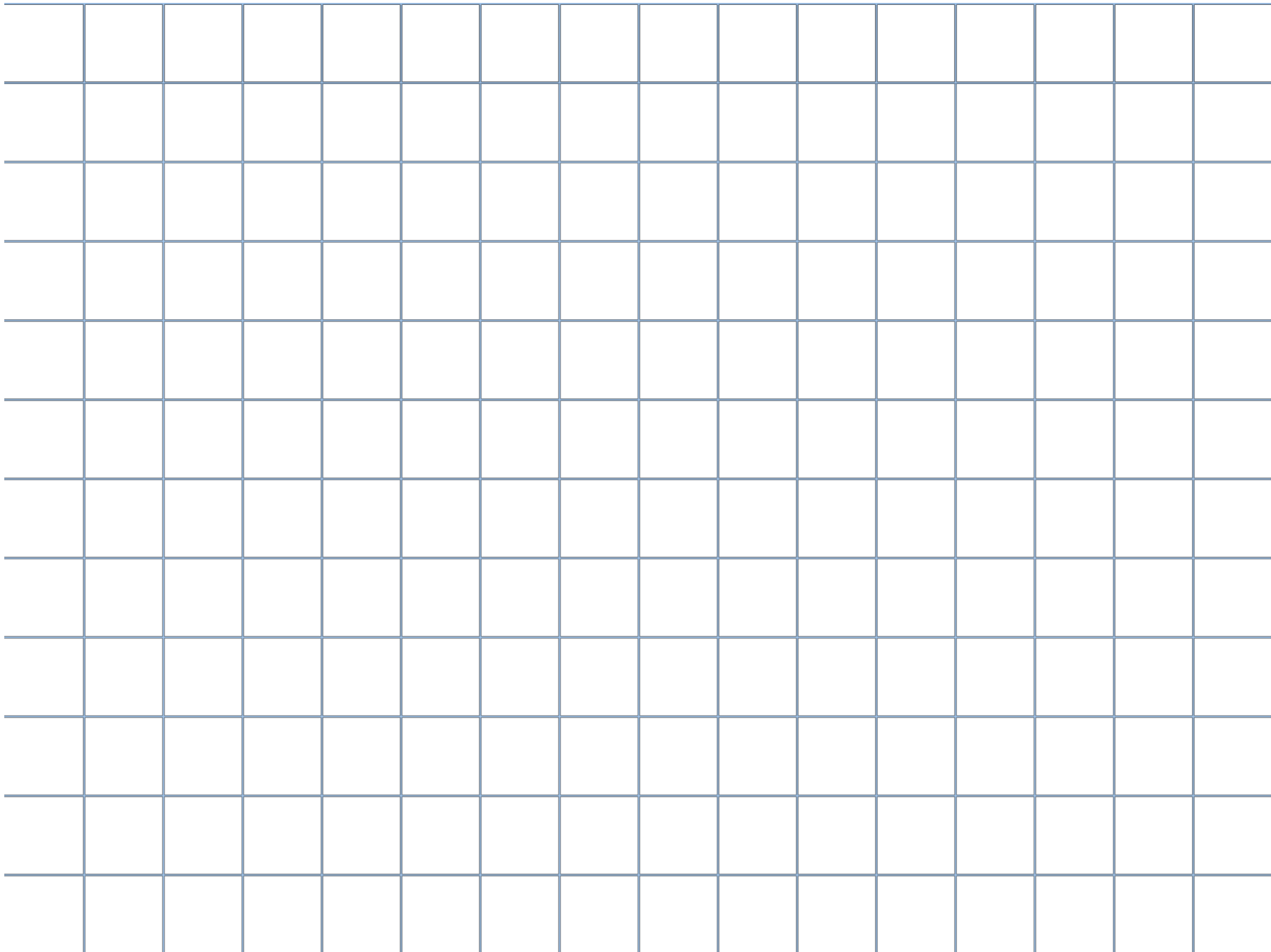
Complete the diagram to show the pairs of numbers that multiply to make 12

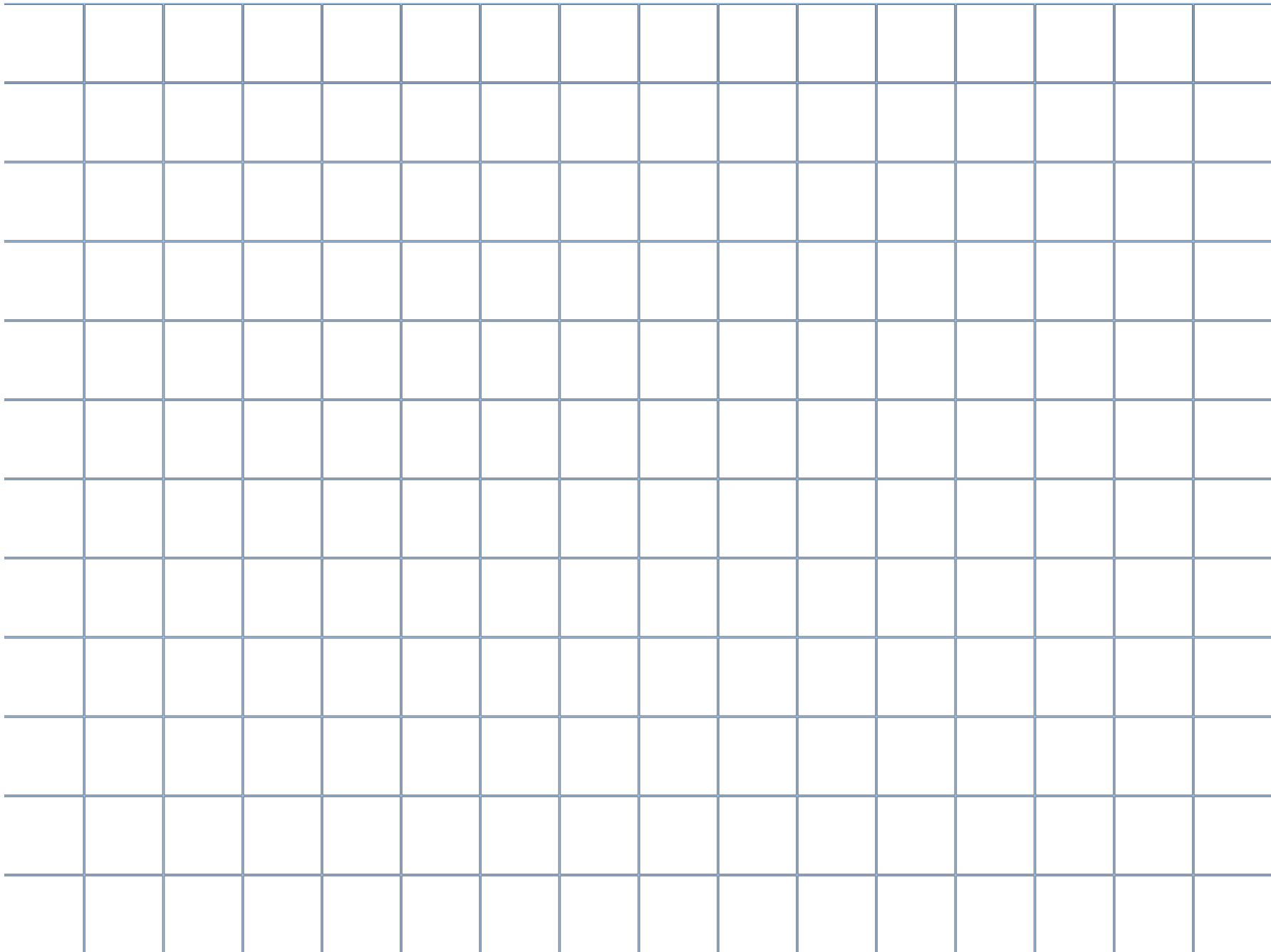


List all the factors of 12

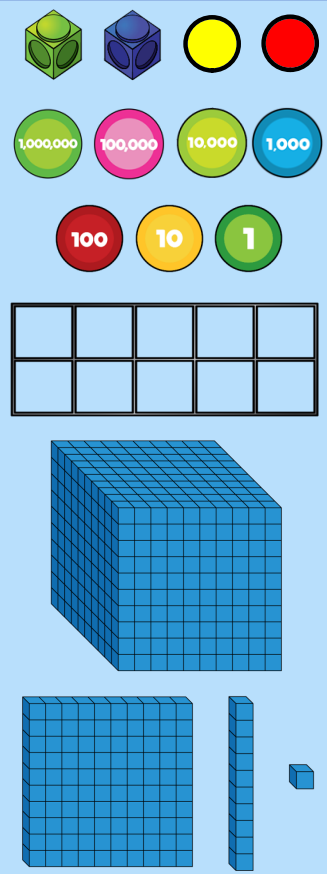
Complete 'You Do' Tasks.

Let's re-group!





[illegible]



$+$ $-$ $\div$ $\times$
 $>$ $<$ $=$

Place Value Grid

HTh	TTh	Th	H	T	O

Calculation



I Do / We

$126 \times 10 = \boxed{}$
 $\boxed{} \times 10 = 320$
 $10 \times \boxed{} = 1,350$
 $6,200 = \boxed{} \times 62$
 $\boxed{} = 1,460 \div 10$
 $32,390 \div 10 = \boxed{}$

NOTES