YEAR 2

Multiplication & Division

- Odd and even numbers
- Divide by 5
- Divide by 10

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Block 1 – Week 4

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Monday Short Lesson 1

Step: Odd and even numbers

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Put the numbers under the correct heading.

Odd		Even	
1	11	6	14
3	15	8	16
9	17	12	20

3 17 20 6 14 11

16 8 15 9 12 1

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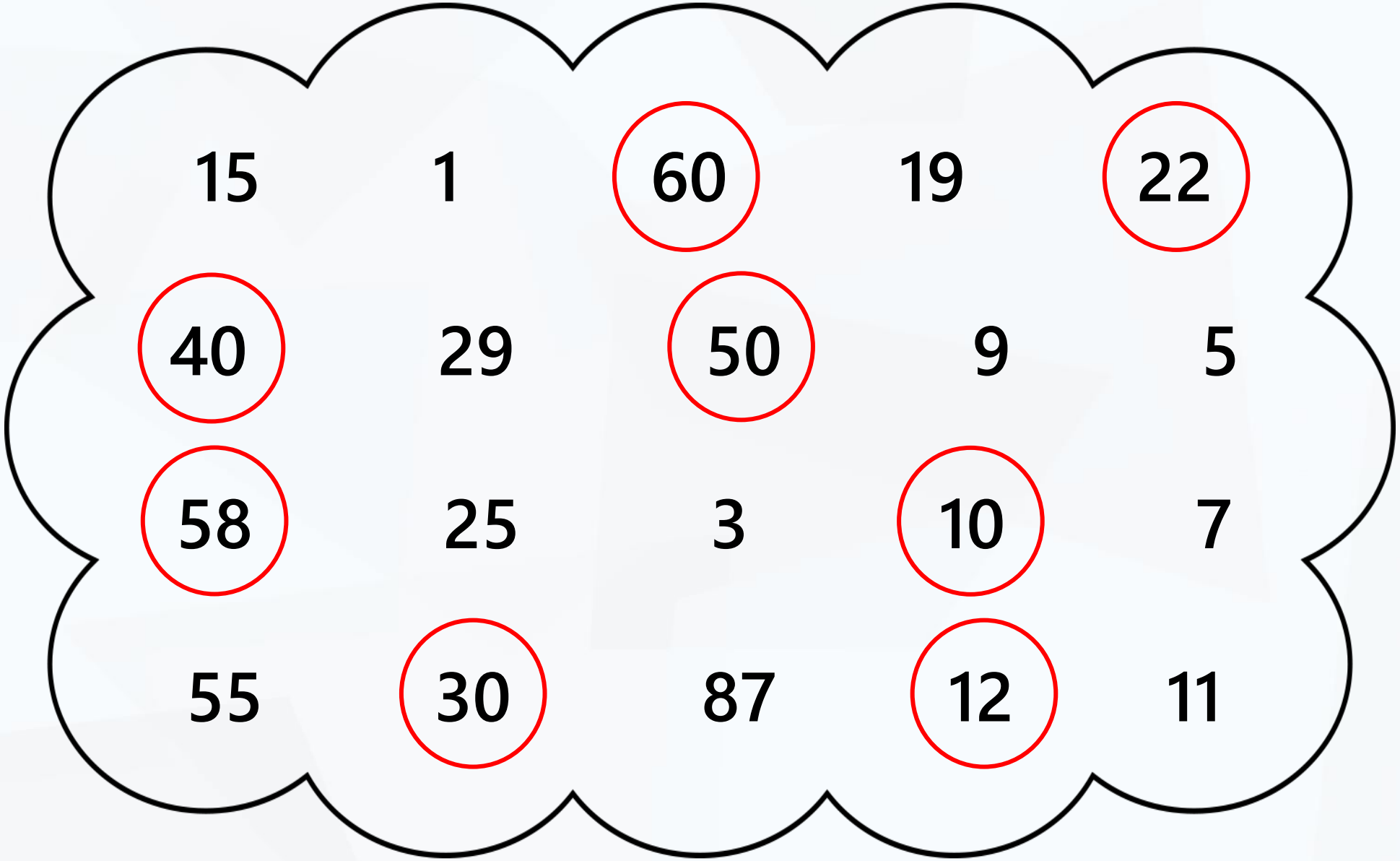
Fluency

Which numbers are even?



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Fluency

Are these numbers odd or even?

a) 23? odd

b) 39? odd

c) 42? even

d) 14? even

e) 27? odd

f) 54? even

g) 11? odd

h) 28? even

i) 13? odd

j) 36? even

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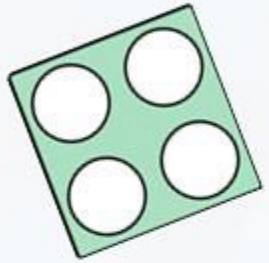
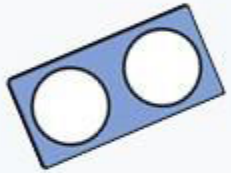
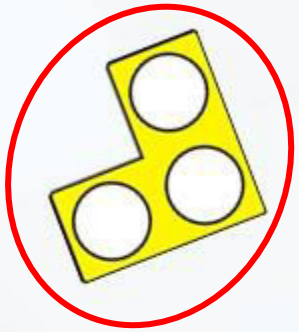
Which number frames are odd?







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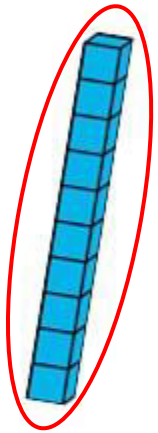
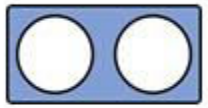
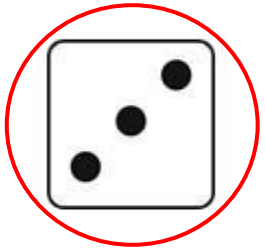
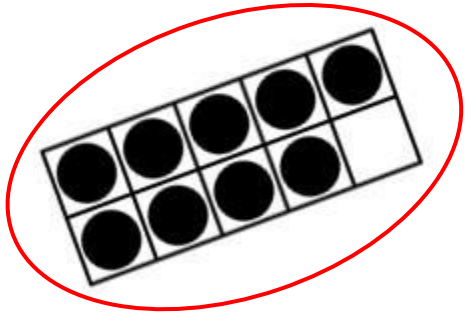
Fluency

Spot the mistakes.

Odd	Even
 13 18 15	 12 14  11 

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Jack has coloured 3 odd numbers yellow and 3 even numbers red. What mistake has Jack made?

36	28	17	11	3	44
10	26	5	8	13	29
15	9	48	39	37	50

Jack has coloured 44 yellow.
It should not be yellow as it not an odd number.
44 is an even number.

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Kat says,

I am thinking of an odd number between 16 and 28.

What could Kat's numbers be?

17, 19, 21, 23, 25, 27

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Wednesday Short Lesson 2

Step: Divide by 5

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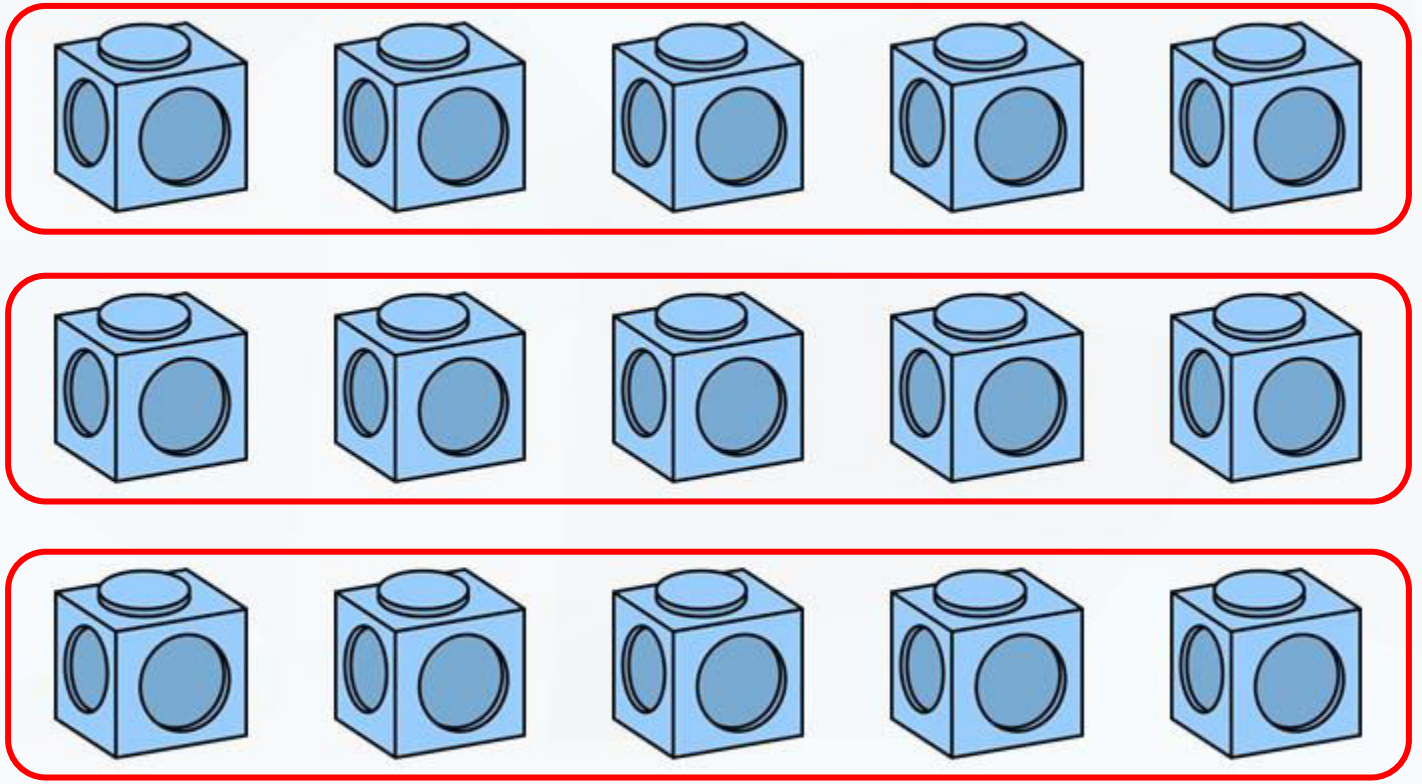
How many groups of 5 can you make? 3 groups of 5



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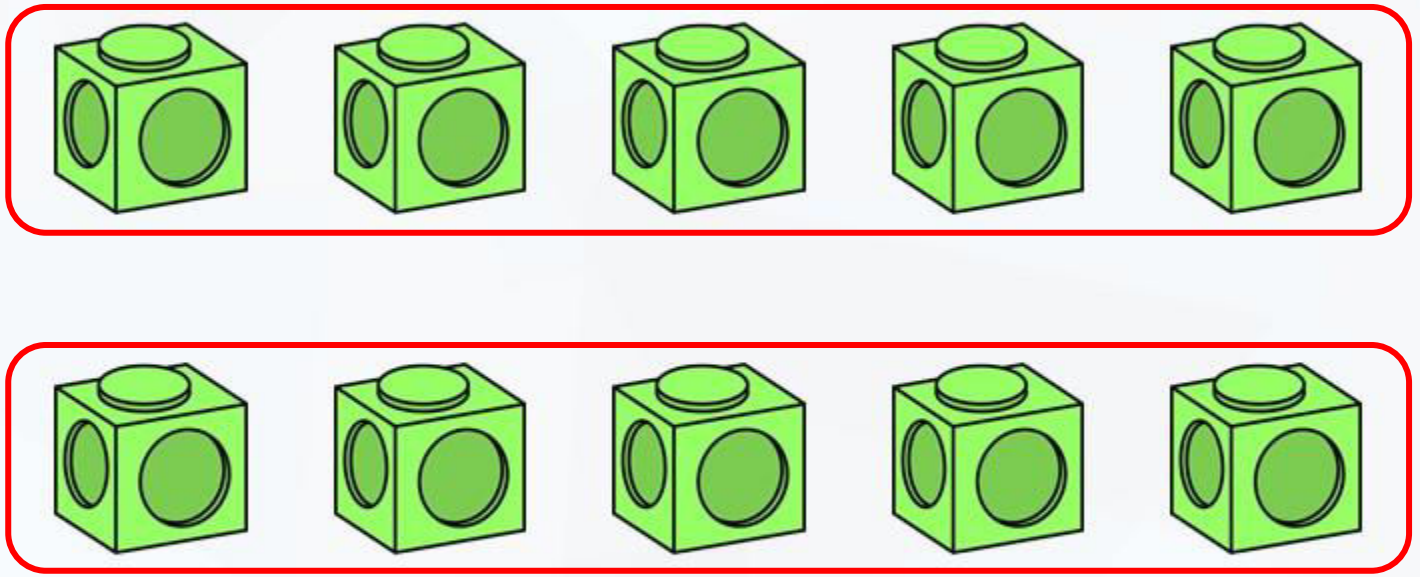
How many groups of 5 can you make? 2 groups of 5



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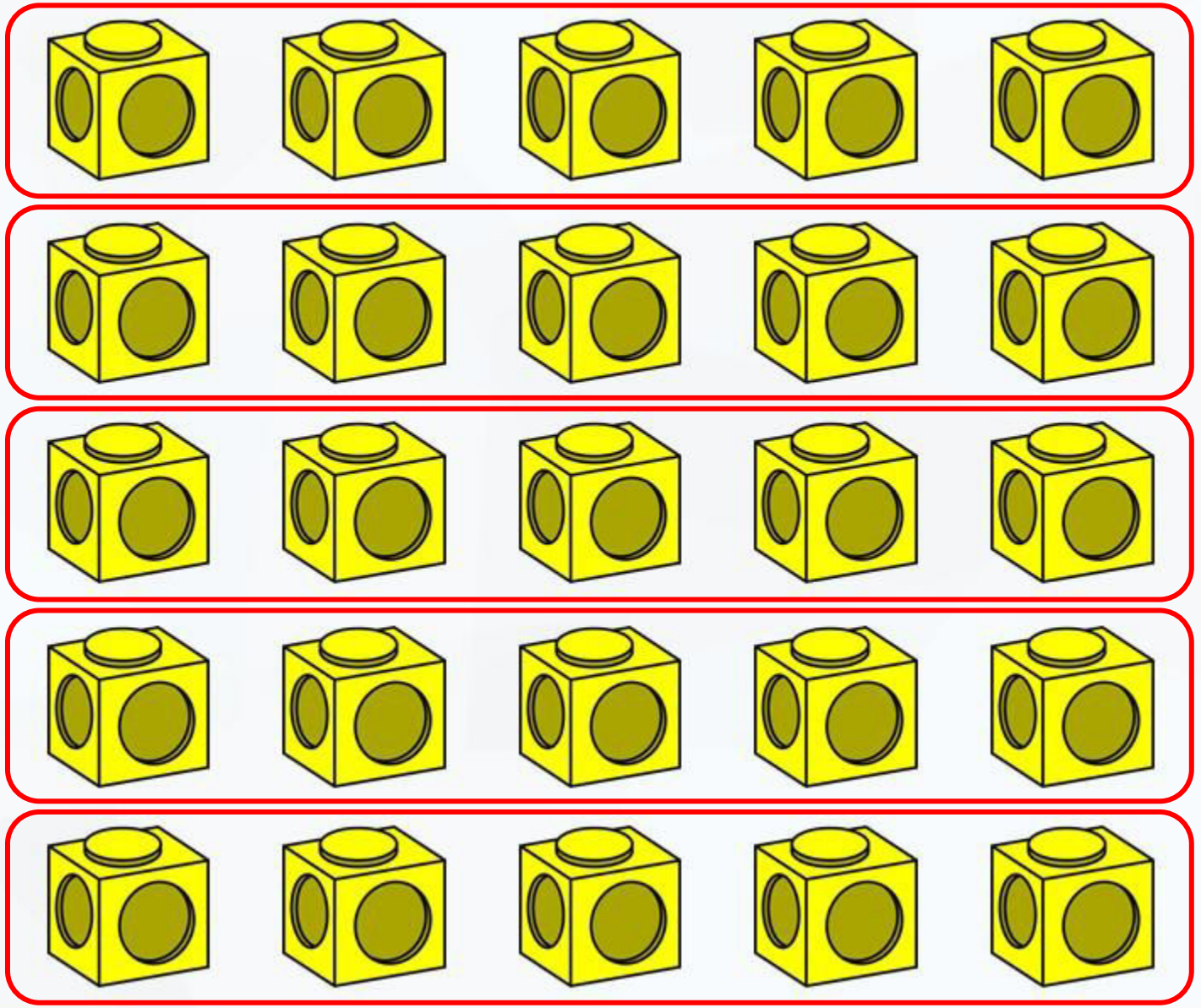
How many groups of 5 can you make? 5 groups of 5



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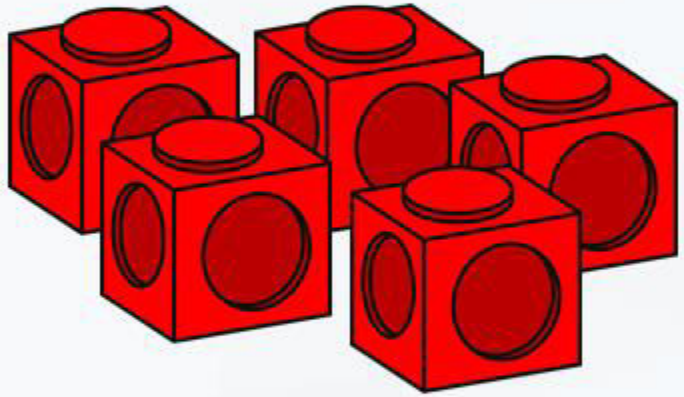
30 cubes will make 7 towers of 5.

True or false?
Explain your answer.



False.
30 cubes will make 6 towers of 5 as 30 ÷ 5 = 6 (not 7).

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Problem solving

Dom built a number of towers that are 5 cubes high.

The amount of cubes I started with was between 40 and 60.

How many towers could Dom have built?

List all possible answers.

9, 10 or 11 towers.

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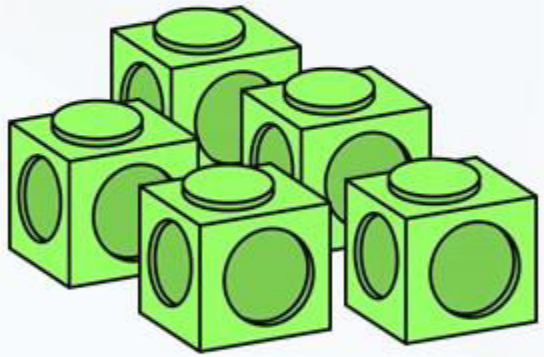
Take 20 cubes.

How many towers of 5 can you make?



You can make __4__ towers of 5.

__4__ towers of 5 is the same as 20.

20 is the same as __4__ towers of 5.

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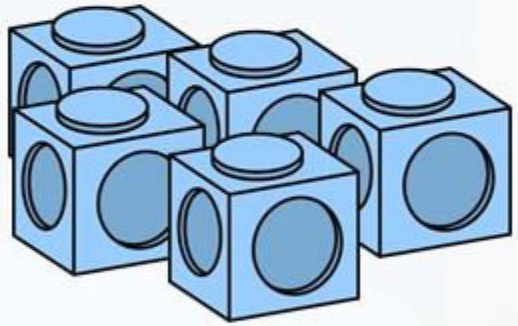
Take 30 cubes.

How many towers of 5 can you make?



You can make 6 towers of 5.

6 towers of 5 is the same as 30.

30 is the same as 6 towers of 5.

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How many towers of 5 can you make from 45 cubes?

You can make 9 towers of 5.

9 towers of 5 is the same as 45.

45 is the same as 9 towers of 5.

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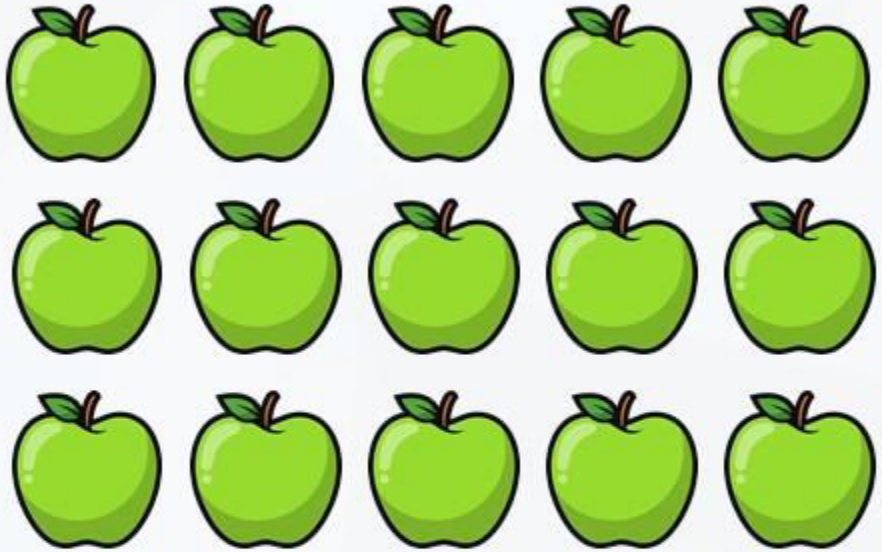
15 apples are shared between 5 horses.



How many apples will each horse get? 3

15	÷	5	=	3

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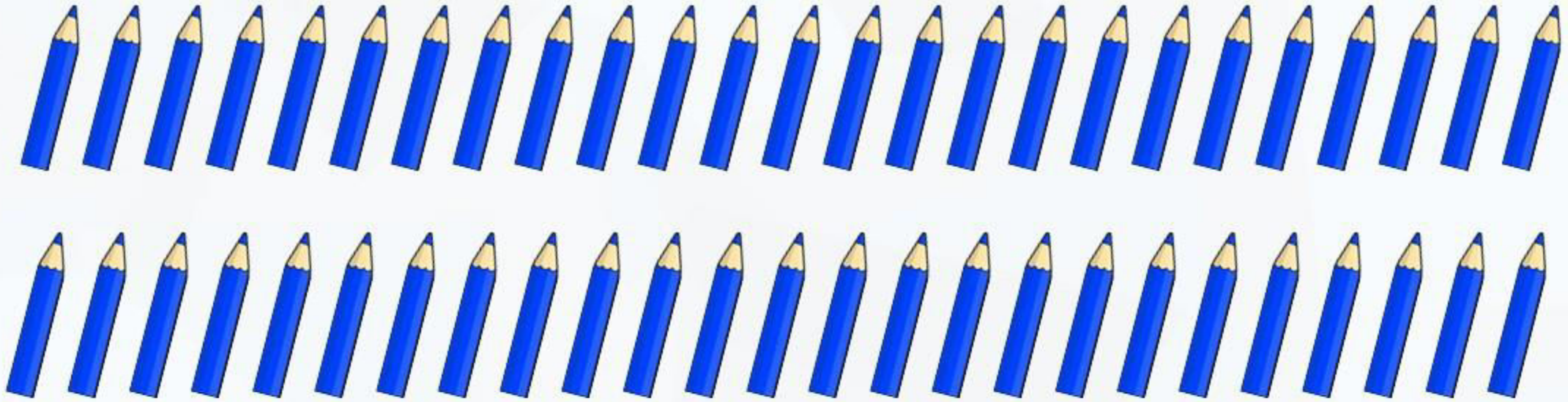
50 pencils are shared between 5 children.



How many pencils will each child get? 10

50	÷	5	=	10

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Fluency

Group the 1p coins into 5s.
How many groups of 5 do we need to make 15p?

3 groups of 5 1ps = 15 x 1p coins.

3 groups of 5p = 15p.

15p = 3 x 5p.

15p ÷ 5p = 3.

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Fluency

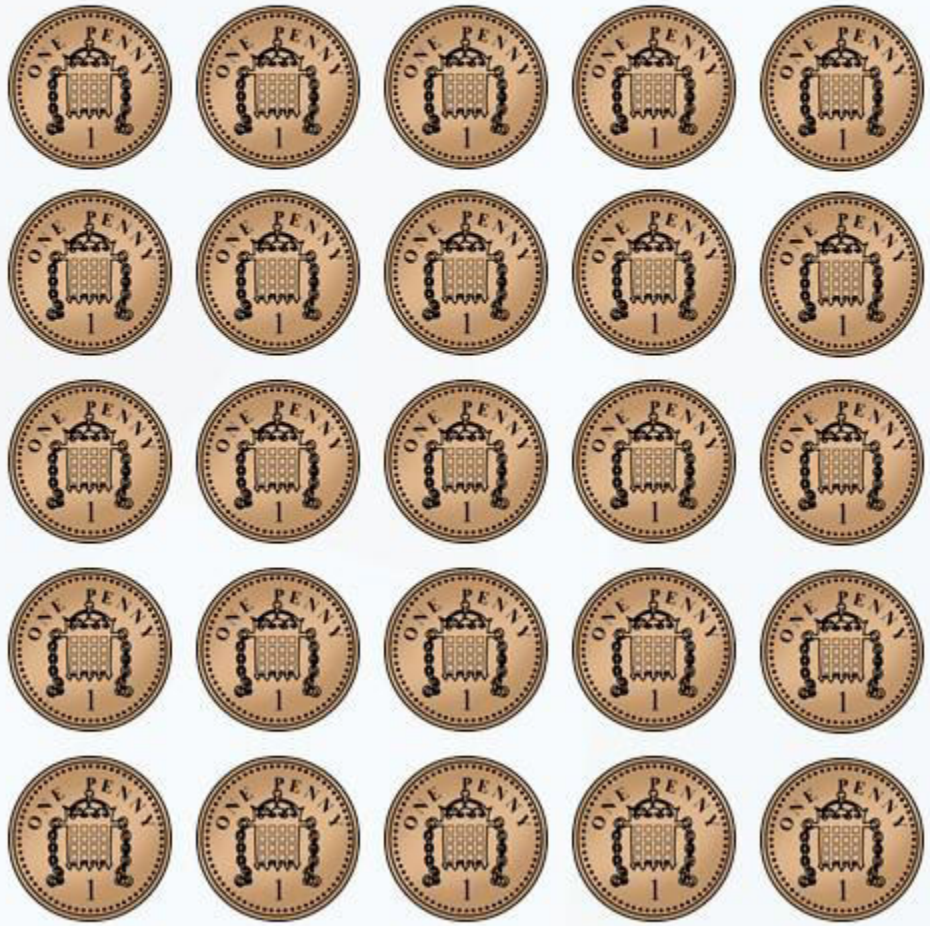
Group the 1p coins into 5s.
How many groups of 5 do we need to make 25p?

5 groups of 5 1ps = 25 x 1p coins.

5 groups of 5p = 25p.

25p = 5 x 5p.

25p ÷ 5p = 5.



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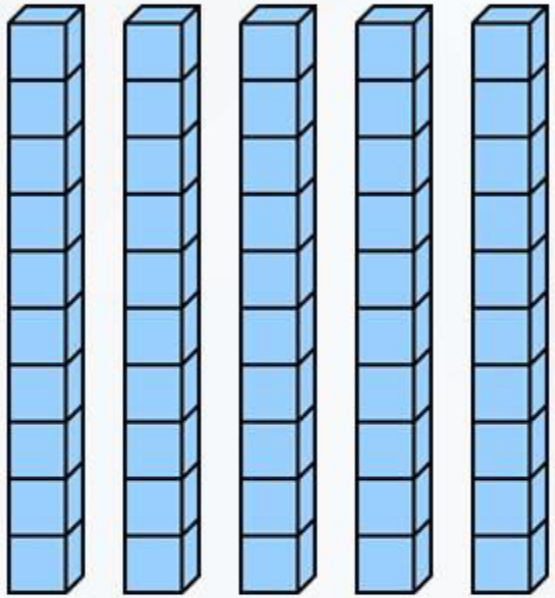
Reasoning

Spot the mistake.



$\div 5 = 12$

Explain how you know.

50 ÷ 5 = 10 (not 12).

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My number is greater between 10 and 40.
I have 5 equal groups.

What number could Ben have started with and how many would be in each group?

Start with 35 ÷ 5 = 7 in each group.
Start with 30 ÷ 5 = 6 in each group.
Start with 25 ÷ 5 = 5 in each group.
Start with 20 ÷ 5 = 4 in each group.
Start with 15 ÷ 5 = 3 in each group.

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Thursday/ Friday Short Lesson 3

Step: Divide by 10

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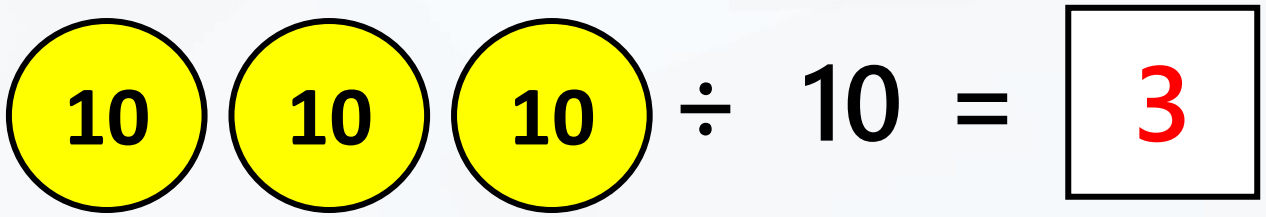
Fluency

How many 10s in 30?



30 ÷ 10 = 3

There are 3 tens in 30.

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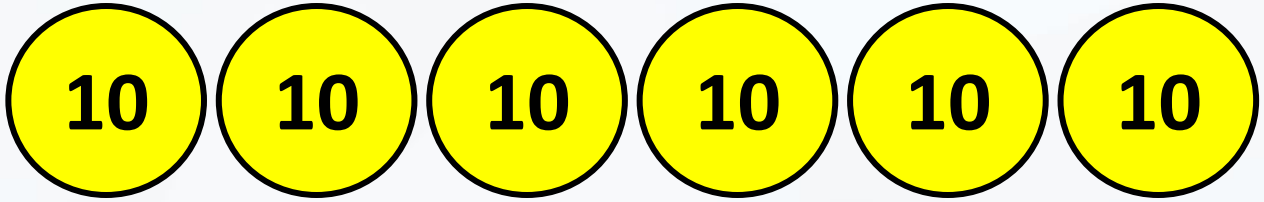
Fluency

How many 10s in 60?



$\div$ 10 = $\boxed{6}$

60 $\div$ 10 = 6

There are 6 tens in 60.

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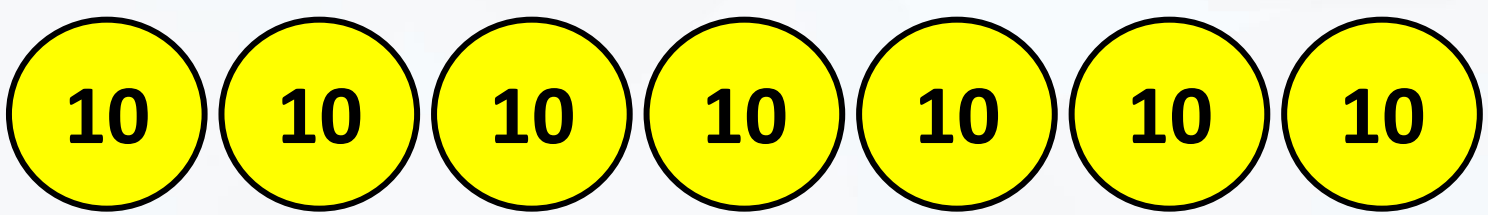
How many 10s in 70?



÷ 10 = 7

70 ÷ 10 = 7

There are 7 tens in 70.

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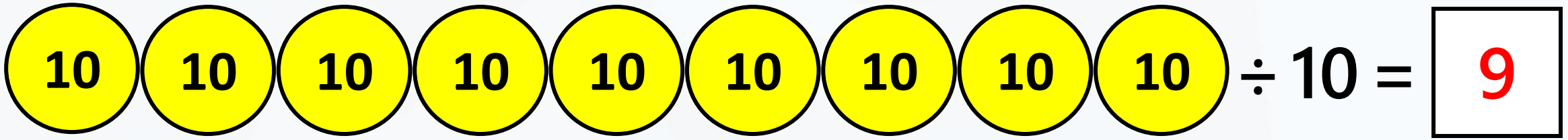
How many 10s in 90?



90 ÷ 10 = 9

There are 9 tens in 90.

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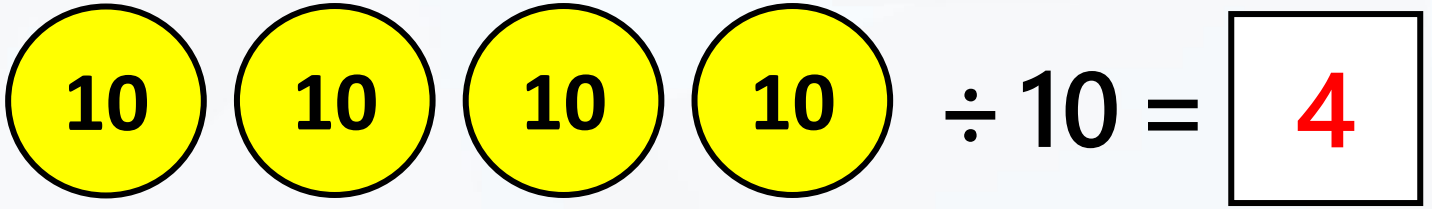
Fluency

How many 10s in 40?



40 ÷ 10 = 4

There are 4 tens in 40.

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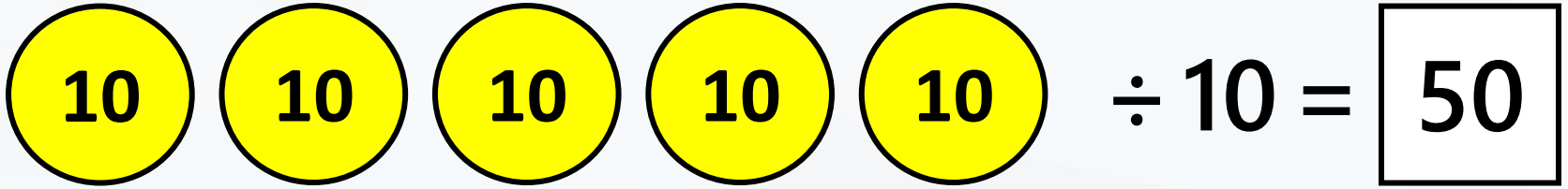
Reasoning

This representation shows there are 5 tens in 50.



True or false?

False

The answer should be 5 (not 50).

50 ÷ 10 = 5 tens.

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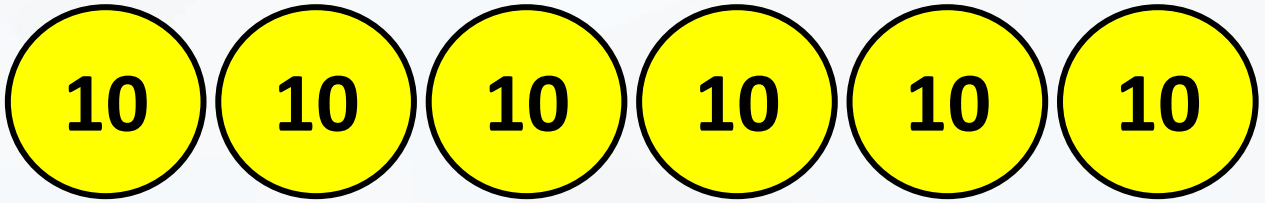
Problem solving

Use the counters below to make division calculations:

_____ ÷ 10 = ____



How many calculations can you make?
List them.

60 ÷ 10 = 6
50 ÷ 10 = 5
40 ÷ 10 = 4
30 ÷ 10 = 3
20 ÷ 10 = 2
10 ÷ 10 = 1
0 ÷ 10 = 0

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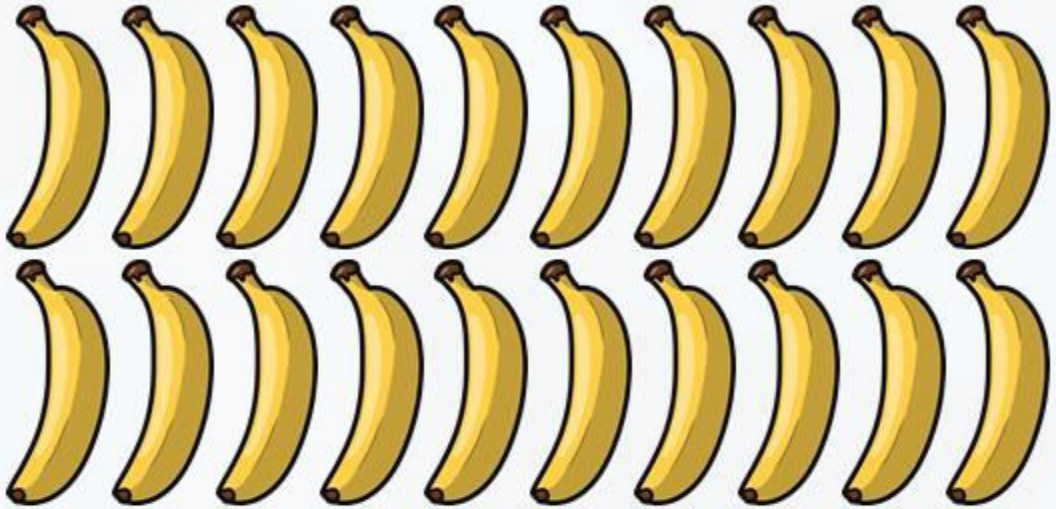
Bananas can be sold in packs of 10.
How many packs can be made?



When 20 bananas are sold in packs of 10, 2 packs of bananas can be made.

20	
10	10

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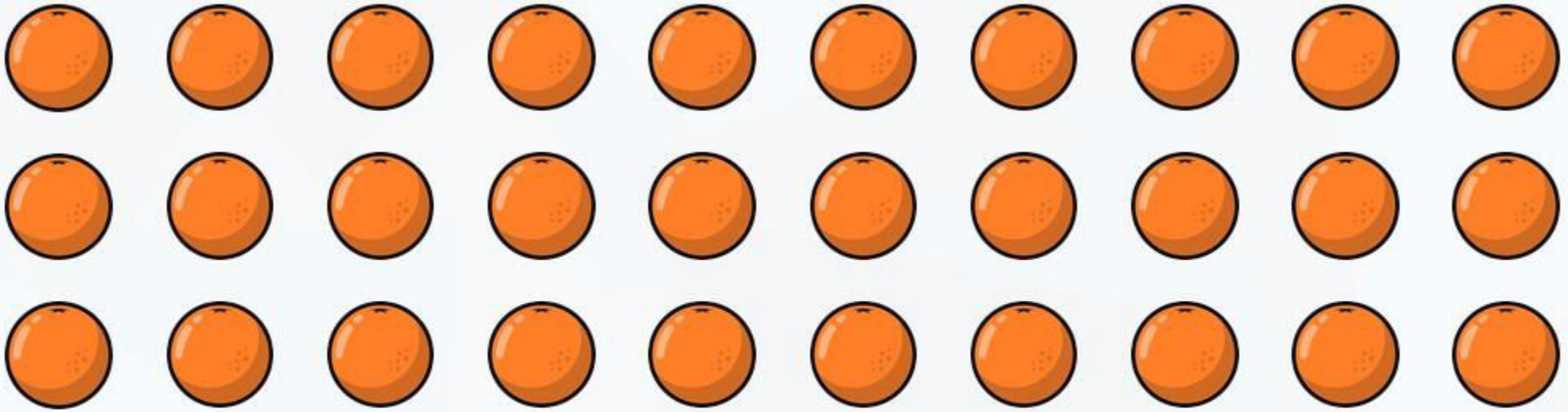
Oranges can be sold in packs of 10
How many packs can be made?



When 30 oranges are sold in packs of 10, 3 packs of bananas can be made. Complete the bar model.

30		
10	10	10

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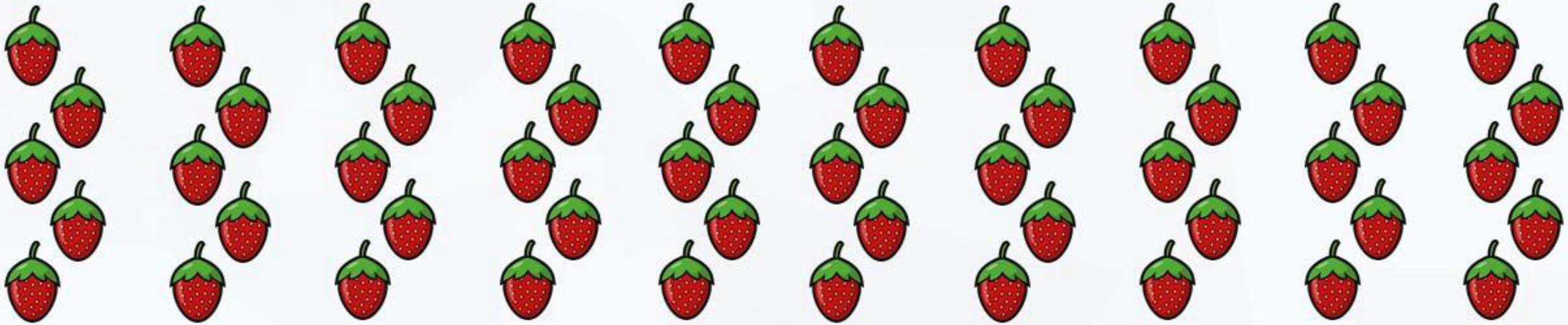
Strawberries can be sold in packs of 10
How many packs can be made?



When 50 strawberries are sold in packs of 10, __5__ packs of bananas can be made. Complete the bar model.

50				
10	10	10	10	10

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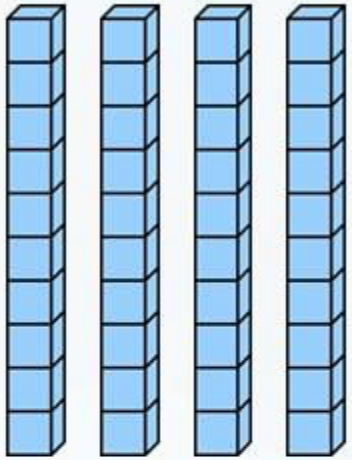
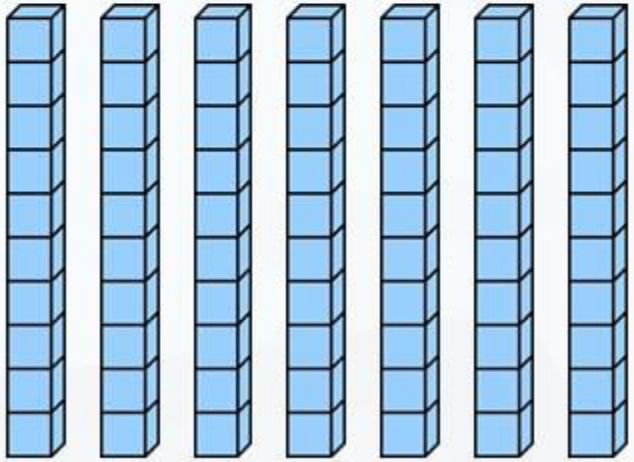
Divide by 10.



$\div$ 10 = 4



$\div$ 10 = 7

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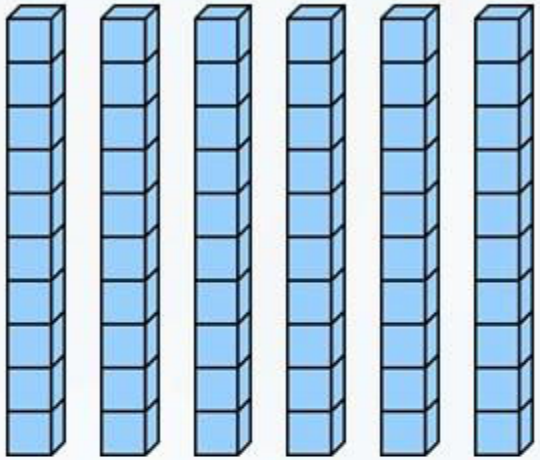
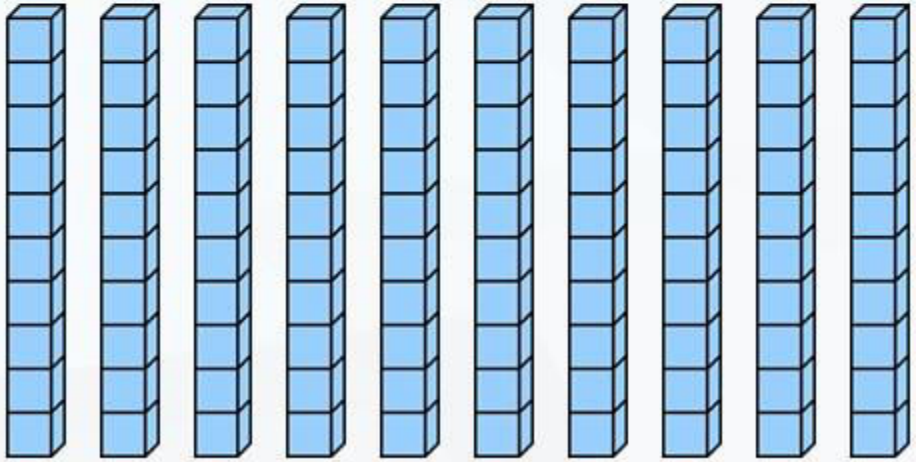
Divide by 10.



÷ 10 = 6



÷ 10 = 10

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Fluency

Use the multiplication calculation to create a division calculation.

3 x 10 = 30

30 ÷ 10 = 3

9 x 10 = 90

90 ÷ 10 = 9

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Use the multiplication calculation to create a division calculation.

1 x 10 = 10

10 ÷ 1 = 10

10 x 10 = 100

100 ÷ 10 = 10

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Which number sentence is incorrect and how do you know?

A) 4 x 10 = 40
B) 4 lots of 10 = 40
C) 40 ÷ 10 = 4
D) Forty ÷ ten = three

D is incorrect.
Forty divided by ten is 4 (not 3).

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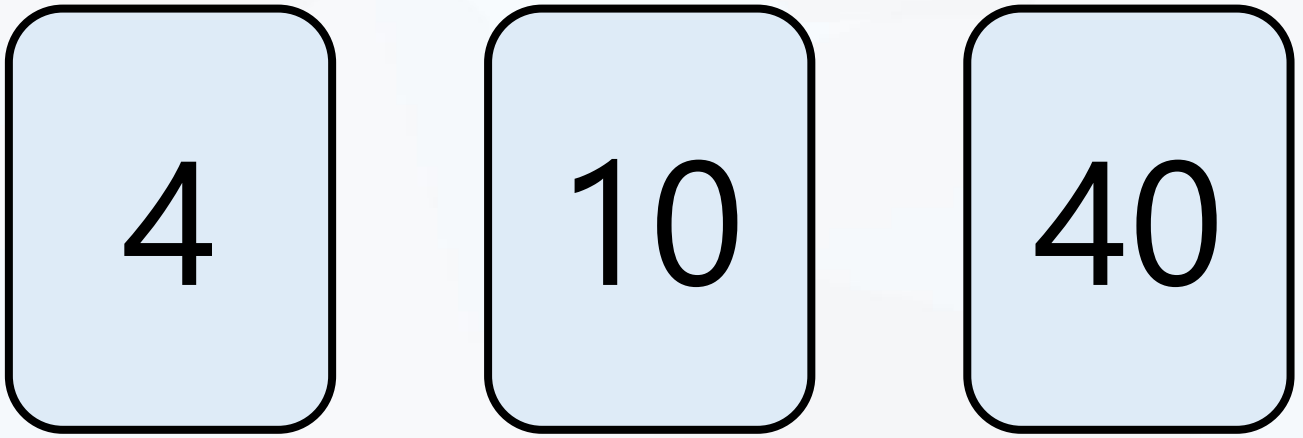
Problem solving

How many multiplication and division calculations can you make?



List your calculations.

40 ÷ 10 = 4

40 ÷ 4 = 10

4 x 10 = 40

10 x 4 = 40

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