Problem solving 2

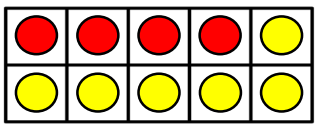
Complete the column subtractions problems.

		6
−	2	
	2	5

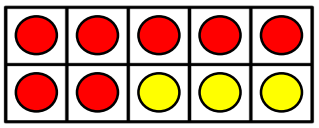
	7	
−		6
	4	3

Create your own for a partner to solve.

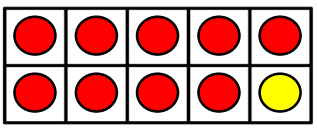
Tick (✓) the number sentence that does **not** match the ten frame. Each counter represents 10.



40 + 60 = 100 ☐



70 + 30 = 100 ☐



10 + 90 = 100 ☐

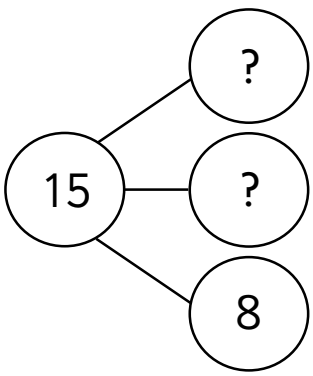
Tick (✓) the statements that are correct.

If I know 3 + 5 = 8,
then I know that 30 + 50 = 80 ☐

If I know 4 + 3 = 7,
then I know that 40 + 30 = 70 ☐

If I know 2 + 4 = 7,
then I know that 20 + 40 = 70 ☐

What could the missing parts be?



List all possibilities:

Use each digit card once to make the comparison true.

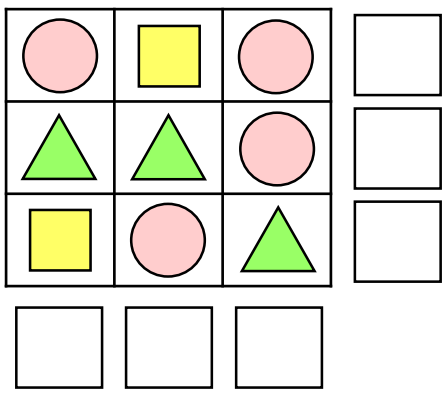
4	3	5

2 + 6 + ____ = ____ + ____ + 2

Can you create your own comparisons using each of the digit cards twice?

 = 40  = 10  = 20

Write the value of each row and column.



Problem solving 2

How many division number sentences can you make from the following numbers?

You may use the cards more than once.

30	5	35	6

List your number sentences then answer them.

Circle the mistake in the table below.

Name	Shape	Vertices
Square		4
Hexagon		7
Octagon		8

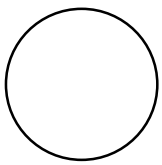
Explain how you know.

If I know that 7 x 10 = 70, I also know that 70 ÷ 7 is more than 8.

Is Mo correct?

Explain how you know.

Here are the 2D shapes that you are able to see on a 3D shape.



What is the shape?
Explain how you know.

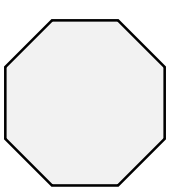
Use the clues to help you create a tally chart, pictogram and block diagram.

- There are 60 in total.
- There are 10 more apples than bananas.
- There are 6 fewer cherries than apples.
- There are 2 more oranges than cherries.
- There are 10 bananas.

I've drawn a shape with 6 vertices. This is my drawing below...

Is Kat's drawing correct?

If not, what is her mistake?



Answers – Problem solving 2

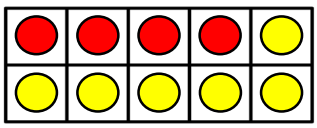
Complete the column subtractions problems.

	4	6
−	2	1
	2	5

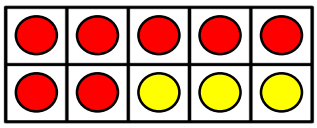
	7	9
−	3	6
	4	3

Create your own for a partner to solve.

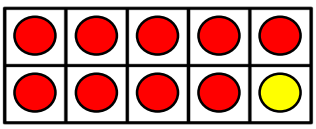
Tick (✓) the number sentence that does **not** match the ten frame. Each counter represents 10.



40 + 60 = 100 ☐



70 + 30 = 100 ☐



10 + 90 = 100 ✓

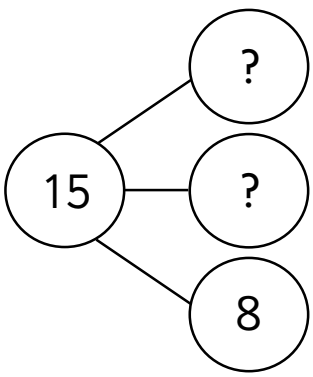
Tick (✓) the statements that are correct.

If I know 3 + 5 = 8,
then I know that 30 + 50 = 80 ✓

If I know 4 + 3 = 7,
then I know that 40 + 30 = 70 ✓

If I know 2 + 4 = 7,
then I know that 20 + 40 = 70 ☐

What could the missing parts be?



List all possibilities:

1 and 6
2 and 5
3 and 4

Use each digit card once to make the comparison true.

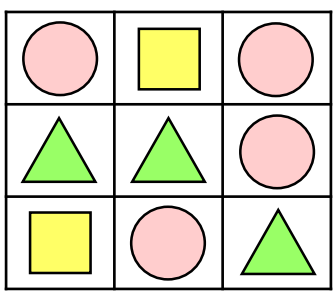
4	3	5

2 + 6 + 3 = 4 + 5 + 2

Can you create your own comparisons using each of the digit cards twice?

 = 40  = 10  = 20

Write the value of each row and column.



40	
90	
70	

70	70	60

Answers – Problem solving 2

How many division number sentences can you make from the following numbers?

You may use the cards more than once.

30	5	35	6

List your number sentences then answer them.

30 ÷ 5 = 6 30 ÷ 6 = 5 35 ÷ 5 = 7

Circle the mistake in the table below.

Name	Shape	Vertices
Square		4
Hexagon		7
Octagon		8

Explain how you know.

A hexagon has 6 vertices (not 7).

If I know that 7 x 10 = 70, I also know that 70 ÷ 7 is more than 8.

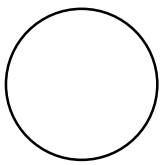
Is Mo correct?

Yes

Explain how you know.

70 ÷ 7 = 10

Here are the 2D shapes that you are able to see on a 3D shape.



What is the shape? Cylinder

Explain how you know.

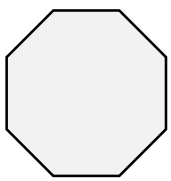
A cylinder = 2 circles and 1 rectangle

Use the clues to create a tally chart and pictogram.

There are 60 in total.
There are 10 more apples than bananas.
There are 6 fewer cherries than apples.
There are 2 more oranges than cherries.
There are 10 bananas.

10 bananas, 20 apples, 14 cherries, 16 oranges.

I've drawn a shape with 6 vertices. This is my drawing below...



Is Kat's drawing correct?

No.

If not, what is her mistake?

Kat has drawn an octagon (8 vertices) instead of a hexagon.