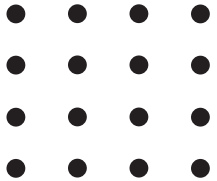
Y3 Learning at home activity sheet #1

Problem 1:

I'm thinking of a 2-digit number. If I add its two digits together I get 17. What numbers could I be thinking of?

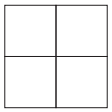
Problem 2:

How many squares can you make by joining the dots?

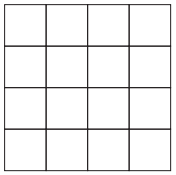


Problem 3:

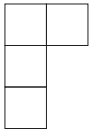
You can use four copies of this tile:



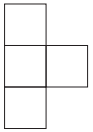
To cover this board:



Can you cover the same board with four copies of this tile?



Or this tile?



Number facts:

Have a family member test you on some of the number facts from the attached sheet. They can ask you any of the sums on each card. Choose two or three that you found more difficult and practice them a few times every day, so that you can answer any of the questions quickly.

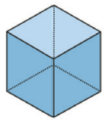
Quick questions:

1. What is $5 plus $5?
2. What number is one more than 89?
3. 73 has ___ tens and ___ ones.
4. 17 x 10 = __?
5. Write the fraction for one half.
6. Write the number fifty-three using digits.
7. Write the number 64 in words.
8. Write down the first 5 even numbers.
9. What is 17 + 9?
10. 50 +___ = 100.

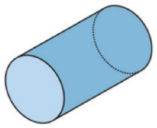
Project: Finding shapes

Look for these shapes around your home.

Draw a picture of as many as you can find. You might be able to find more than one for some of the shapes.

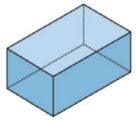


Cube



Cylinder

Sphere



Cuboid

nzmaths.

Learning at home: Notes for whānau

When your child finishes each activity, ask them to add a mouth to the face to show how they felt about that activity.

Problem 1:

First we need to know what the digits could be. If one of the digits is a 9 then to add to 17, the other must be an 8. Neither of the digits can by less than 8 because if they were the sum would be too small.

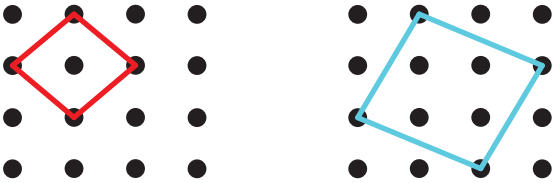
There are only two numbers that can be made with the digits 8 and 9, so the only numbers possible are 89 and 98.

Problem 2:

There are a total of 18 squares you can make. The table below describes how many you can make of each size.

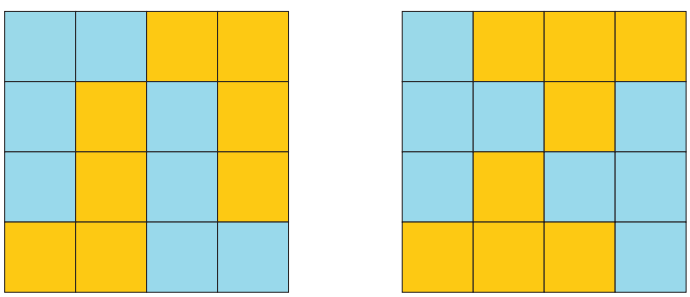
Size of square	Number
1x1	9
2x2	4
3x3	1
tilted (one dot enclosed)	4
tilted (4 dots enclosed)	1

The tilted squares are ones like this:



Problem 3:

The answer is yes for both smaller tiles. There is more than one way to do each. We have shown one way for each shape.



Quick Questions:

1. $10
2. 90
3. 7 tens and 3 ones
4. 170
5. 1/2
6. 53
7. Sixty-four
8. 2, 4, 6, 8, 10
9. 26
10. 50

Number facts to check:

2 + 3 = 5 3 + 2 = 5 5 - 3 = 2 5 - 2 = 3	2 + 4 = 6 4 + 2 = 6 6 - 4 = 2 6 - 2 = 4
2 + 5 = 7 5 + 2 = 7 7 - 5 = 2 7 - 2 = 5	2 + 6 = 8 6 + 2 = 8 8 - 6 = 2 8 - 2 = 6
2 + 7 = 9 7 + 2 = 9 9 - 7 = 2 9 - 2 = 7	2 + 8 = 10 8 + 2 = 10 10 - 8 = 2 10 - 2 = 8
3 + 3 = 6 6 - 3 = 3	3 + 4 = 7 4 + 3 = 7 7 - 4 = 3 7 - 3 = 4
3 + 5 = 8 5 + 3 = 8 8 - 5 = 3 8 - 3 = 5	3 + 6 = 9 6 + 3 = 9 9 - 6 = 3 9 - 3 = 6

3 + 7 = 10 7 + 3 = 10 10 - 7 = 3 10 - 3 = 7	4 + 4 = 8 8 - 4 = 4
4 + 5 = 9 5 + 4 = 9 9 - 5 = 4 9 - 4 = 5	4 + 6 = 10 6 + 4 = 10 10 - 6 = 4 10 - 4 = 6
5 + 5 = 10 10 - 5 = 5	5 + 6 = 11 6 + 5 = 11 11 - 6 = 5 11 - 5 = 6
6 + 6 = 12 12 - 6 = 6	