problem solving

Stage A

Moulton CEVC Primary School

When you are really confident with your mental maths and maths targets, we would like you to show us how well you can apply your knowledge to solving problems. This problem is designed to really make you think. You might want to spend a day or two, or even maybe a week or two solving it. Your solution should be neat and clearly show that you have investigated it fully. We are looking for depth of understanding, not speed. If there is more than one solution, try really hard to find them all. If there are several answers, try to show that you have listed them logically, showing us that you have not missed any out. Ensure that you have a written answer for each of the underlined questions. Good luck!

TARGETS

TARGETS
Recognise numbers to 20
Recall pairs of numbers that add up to 10 (bonds to 10)
Recall doubles of numbers up to double 5.
Recall halves of even numbers to 10
Recite the days of the week
Recite the months of the year
Coin recognition
Adding using numbers to 10
Subtracting using numbers to 10

PROBLEM

Look at the number hunt below. How many of each number can you find? Fill out the table

Number	How many?	Number	How many?
Zero		Eleven	
One		Twelve	
Two		Thirteen	
Three		Fourteen	
Four		Fifteen	
Five		Sixteen	
Six		Seventeen	
Seven		Eighteen	
Eight		Nineteen	
Nine		Twenty	
Ten			

number hunt

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5   7   9   11   14   16   17
3   1   10   12   15   4   6   8
13  19   0   14   18   15   17   3
   4   17   5   8   19   20      14   1   0
5   15   6   11   15   19   5   7   9   10
0  14  18  19   1   4   6   8   11   14
2   6   7   9   10   11   13   16   18   20
   3   16   19   20   3   5   8   9   10   11
4  8   9   11   14   16   18   19   20   16
10  14   19   20   4   7   9   11   13   18
5   7   9   10   15   18   19   20   7   9  10
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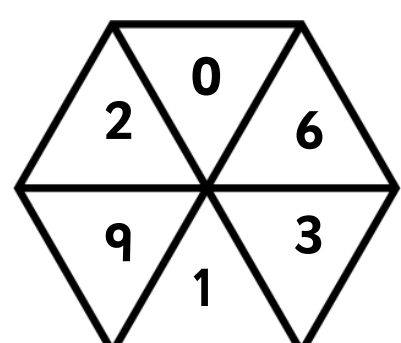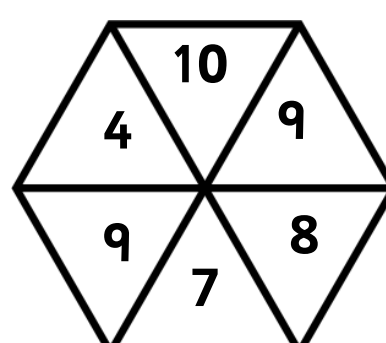
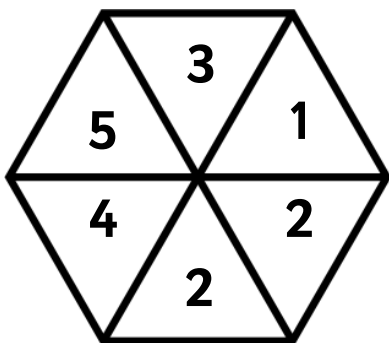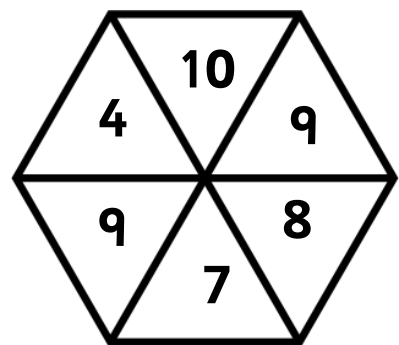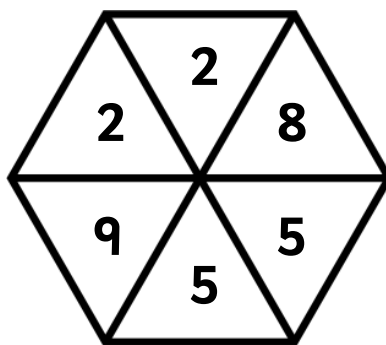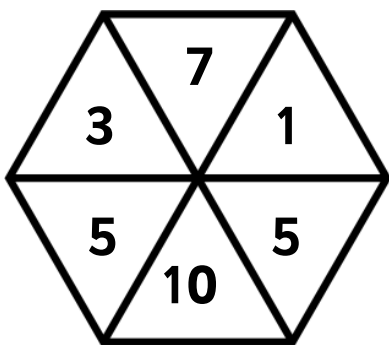IS YOUR SOLUTION DETAILED, COMPLETE AND NEAT?

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PROBLEM

Cut out the hexagons. Can you match them all together, like a jigsaw, so that numbers only touch each other if they add up to 10? All hexagons should be joined

Is there more than one way to do it? How do you know?

IS YOUR SOLUTION DETAILED, COMPLETE AND NEAT?