Watch this clip - Angles around a point : https://www.youtube.com/watch?v=Yt2yvO-xkhY

1. Use the digit cards to fill in the missing numbers.

```
3  4  5  8
   8  9
```

☐9° ☐2° ☐8° ☐8° ☐3°
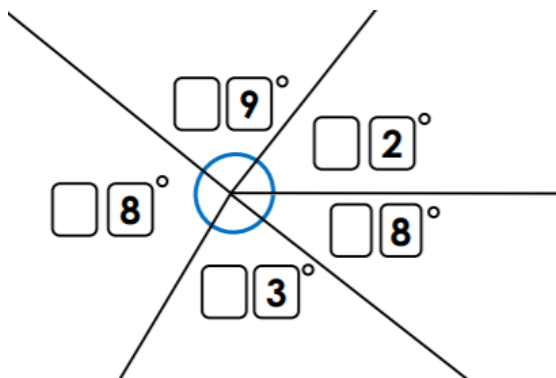
2. Use the digit cards to fill in the missing numbers.

```
1  2  3  5
   6  9
```

☐3° 7☐° 6☐° 1 0 ☐° ☐5°
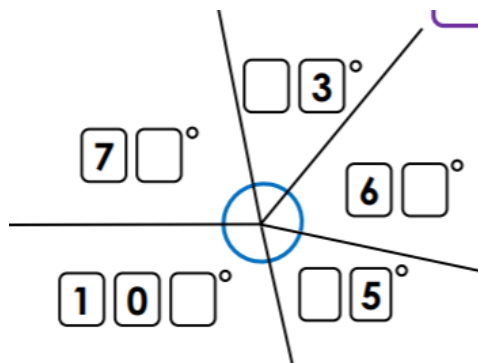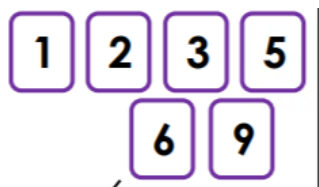
3. Below is a target board. When all the points are added together on the board, the sections add up to 360 points.

Calculate the possibilities and label the sections of the game board so that the size of each angle matches up to its value. Two have been done for you. They are all multiples of 5. Look at the sizes relative to each other to help.
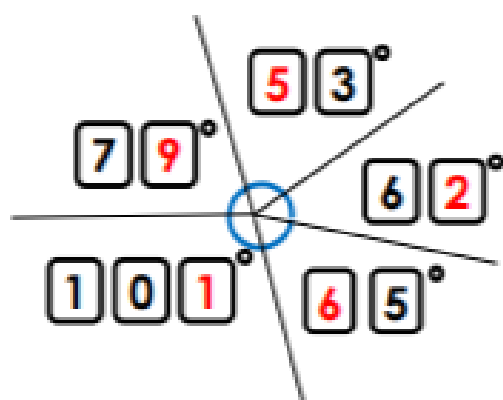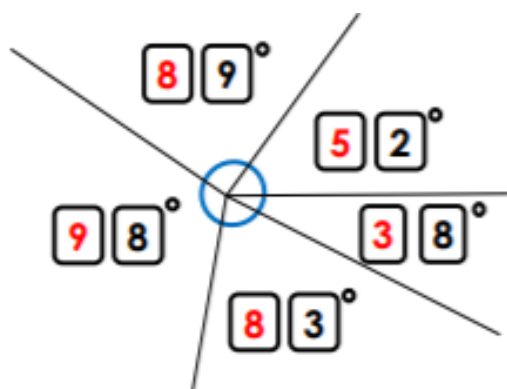
Not drawn to scale
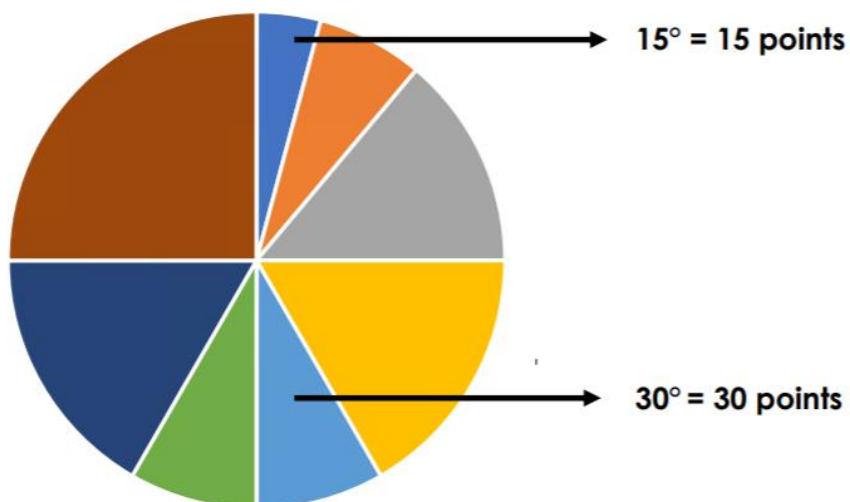
15° = 15 points

30° = 30 points

Cath has thrown 5 darts and scored 270. Investigate where the darts could have landed.

You can score in the same section more than once.

8 9°

5 2°

9 8°

3 8°
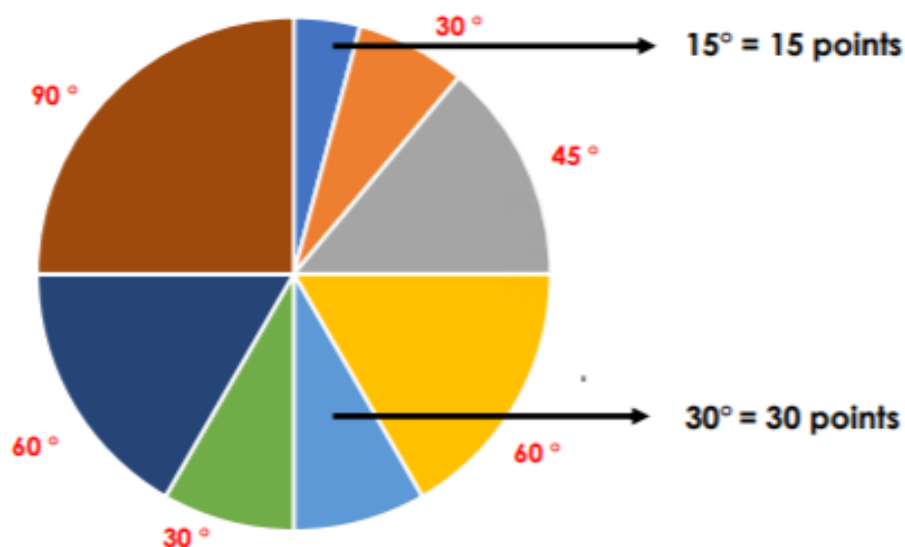
8 3°

5 3°

7 9°

6 2°

1 0 1°

6 5°

1. Below is a target board. When all the points are added together on the board, the sections add up to 360 points.
Calculate the possibilities and label the sections of the game board so that the size of each angle matches up to its value. Two have been done for you.
Various possible answers, for example:

Not drawn to scale

30°

15° = 15 points

90°

45°

60°

30° = 30 points

60°

30°

Cath has thrown 5 darts and scored 270. Investigate where the darts could have landed. You can score in the same section more than once.
Various possible answers including: 15°, 30°, 45°, 90°, 90°

DP