

**Starter**

LO: I can use doubling to multiply by 4, 8 and 16

Double the previous number each time to multiply the starting number by 4, 8 or 16.

	Double (x2)	x4	x8	x16
21				
76	42	84	168	336
63	152	304	608	1216
58	126	252	504	1008
92	116	232	464	928
85	184	368	736	1472
91	170	340	680	1360
95	182	364	728	1456

**Year 5 Maths**

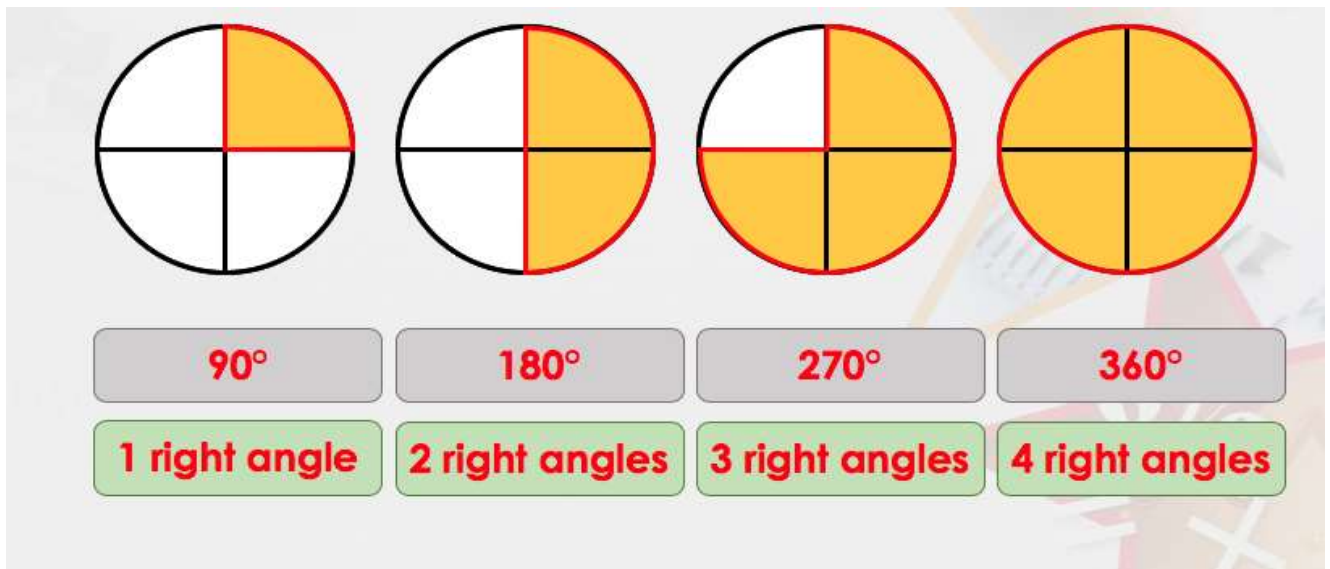
**Summer week 6 Lesson 3 – 03.06.20**

**LO: To calculate angles around a point**

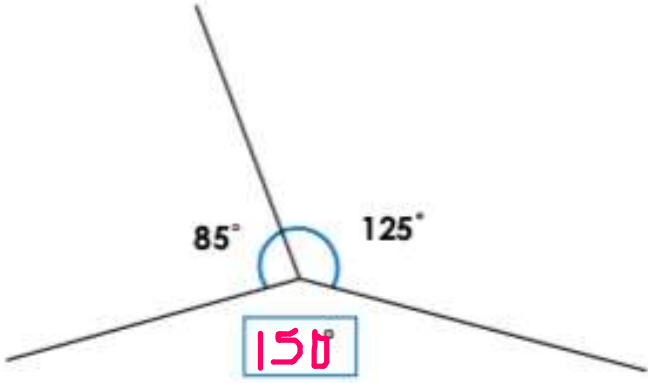
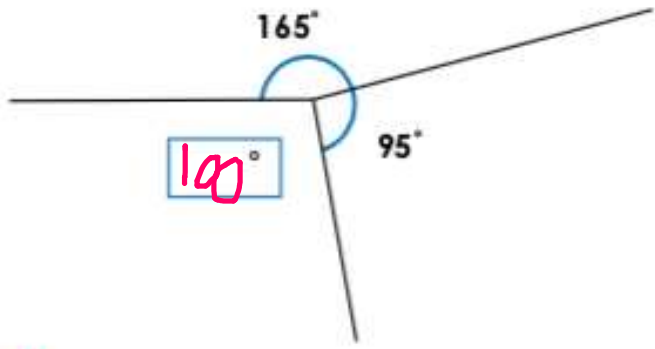
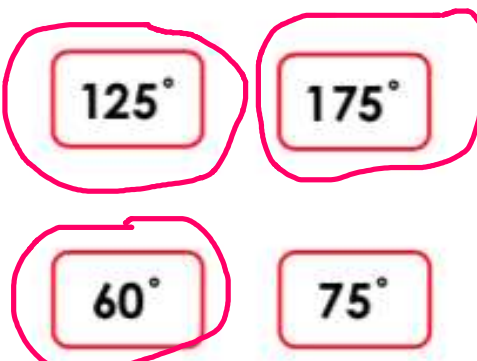
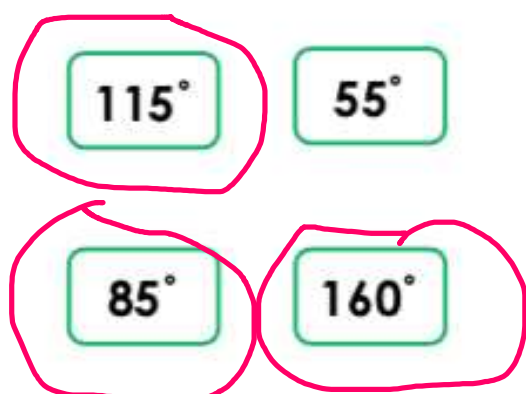
**Success Criteria:**

1. Remember there are 360 degrees around a point (a full turn)
2. Add together the angles you already know.
3. Take this amount away from 360.

**Model**



**MILD**

<p>1a. What is the missing angle?</p>  <p>85° 125°</p> <p>150°</p> <p>★ VF</p>	<p>1b. What is the missing angle?</p>  <p>165° 95°</p> <p>100°</p> <p>★ VF</p>
<p>2a. Three angles make up a full turn. These are 2 of the angles:</p> <p>75° 155°</p> <p>What is the value of the third angle?</p> <p>130°</p> <p>★ VF</p>	<p>2b. Three angles make up a full turn. These are 2 of the angles:</p> <p>80° 165°</p> <p>What is the value of the third angle?</p> <p>115°</p> <p>★ VF</p>
<p>3a. Circle 3 angles that will add up to make a full turn.</p>  <p>125° 175°</p> <p>60° 75°</p> <p>★ VF</p>	<p>3b. Circle 3 angles that will add up to make a full turn.</p>  <p>115° 55°</p> <p>85° 160°</p> <p>★ VF</p>
<p>4a. A third of a full turn is 120°</p> <p>True or false?</p> <p>True</p>	<p>4b. A quarter of a full turn is 45°</p> <p>True or false?</p> <p>True</p>

**SPICY**

5a. What is the missing angle?

122° 58°

136° 44°

☆

5b. What is the missing angle?

65° 78°

102° 115°

☆

6a. Four angles make up a full turn. These are 3 of the angles:

28°  
143°  
92°

What is the value of the fourth angle?

97°

☆

6b. Four angles make up a full turn. These are 3 of the angles:

36°  
178°  
67°

What is the value of the fourth angle?

79°

☆

7a. Circle 4 angles that will add up to make a full turn.

32°

69°

112°

53°

101°

78°

☆

7b. Circle 4 angles that will add up to make a full turn.

81°

59°

136°

22°

84°

78°

☆

8a. A sixth of a full turn is 66°

True or false? false 60°

8b. An eighth of a full turn is 45°

True or false? True

**RED HOT**

9a. What is the missing angle?

78° 63°  
92° 37°

★

9b. What is the missing angle?

23° 89° 32°  
126°

★

10a. Five angles make up a full turn. These are 4 of the angles:

54°  
13°  
93°  
64°

What is the value of the fifth angle?

136°

★

10b. Five angles make up a full turn. These are 4 of the angles:

54°  
66°  
124°  
71°

What is the value of the fifth angle?

45°

★

11a. Circle 5 angles that will add up to make a full turn.

42°

36°

89°

32°

98°

95°

★

11b. Circle 5 angles that will add up to make a full turn.

104°

19°

83°

98°

22°

56°

★

12a. Three-ninths of a full turn is 120°  
True or false?

False

12b. Five-eighths of a full turn is 200°  
True or false?

False 225°

