## <u>Group B – Maths</u> <u>W/b 22.02.21</u>

<u>MONDAY - Can I calculate missing angles in triangles, quadrilaterals and on a straight</u> <u>line?</u>



## Challenge 2

a) Calculate the missing angles.



Tick the angles that make a straight line.

- 45° and 135°
- 110  $^\circ$  and 60  $^\circ$
- 50 °, 60 ° and 70 °
- 115 °, 12 ° and 53 °

## TUESDAY - Can I calculate angles on around a point?



2 Name and calculate the size of each shaded angle that meets at a point.



3



# <u>WEDNESDAY - Can I apply my knowledge of angles to a range of shapes and intersecting lines?</u>





### <u>Thursday - Can I apply my knowledge of angles to reasoning and problem-solving</u> <u>guestions?</u>



6



#### WEEKLY EXTRA CHALLENGE



#### ANSWERS

#### MONDAY

a) 50 °	b) 92 °	c & d ) 55 °
e) 45 °	f) 95 °	g) 70 °

#### Challenge 2

3

4

a) 66 ° b & c) 114 °

a) 95 ° b) 115 °c)65 °

5 x & y = 68 ° 6 f = 132 ° g = 113 °

72 °	14 °	32 °
73 °	103 °	25 °

1, 3 & 4 are all correct

TUESDAY 1				
a) 45 °	b) 125 °	c) 151 °	d)29 °	e) 151 °
g&h) 62 °	i) 24 °	j) 90 °	k) 24 °	l) 66 °
n) 58 °	p) 122 °	q) 111 °	r) 35 °	s) 34 °
2				
a) 316 °	b) 248 °	c) 140 °	d) 110 °	
3				
20 ° & 160 ° m= 60 °				
WEDNESDAY				
Challenge 1				
a) 90 ° b) 40 °	c) 93 °d)15 °	e)118 °f)335 °		
2				
a) 108 ° b) 72 °	c) 108 °			

7  $x = 49^{\circ} y = 52^{\circ}$ THURSDAY 1) 90 ° 2) 18 ° 3) if two were obtuse, their angles added together would make greater than 180 ° which is impossible in a triangle. 4) b= 234 ° 5) a = 36 ° 6) a & c = 36 ° b&d = 144 °

f) 118 ° m) 32 °