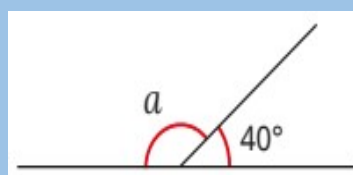# Key Instant Recall Facts

Challenge 5.5

Before moving on to the next challenge, children should know the following facts. The aim is for them to recall these facts **instantly**.

Your child's KIRF this half term is: calculate angles on a straight line.

E.g. the missing angle is _____.

In addition you can help by practicing the following:

Calculate angles around a point	a) 145° w b) 70° x
3D shapes	How many faces, edges and vertices does each shape have?
Translation	Translate the shapes: a) 4 squares to the right b) 2 squares up
Line of symmetry	Find a horizontal line of symmetry on each shape.

Top Tips

The secret to success is practicing little and often. Use time wisely. Can you practice these KIRFs while walking to school or during a car journey? You do not need to practice them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Calculations

Challenge 5.5

Children will learn multiplication using the following methods.

Skill: Multiply 3-digit numbers by 2-digit numbers	Year: 5

Th	H	T	O
	2	3	4
×		3	2
	4	6	8
$_1$7	$_1$0	2	0
7	4	8	8

Children can continue to use the area model when multiplying 3-digits by 2-digits. Place value counters become more efficient to use but Base 10 can be used to highlight the size of numbers.

Children should now move towards the formal written method, seeing the links with the grid method.

X	200	30	4
30	6,000	900	120
2	400	60	8

$234 \times 32 = 7,488$