



# Year 6 Autumn | KIRFs

Key Instant Recall Facts (KIRFs) are designed to support the development of the mental skills that underpin much of the maths work in school. Instant recall facts help enormously with mental agility within maths lessons.

Your child's KIRF this term is:

$$13^2 = 13 \times 13 = 169$$

$$\sqrt{169} = 13$$

$$14^2 = 14 \times 14 = 196$$

$$\sqrt{196} = 14$$

$$15^2 = 15 \times 15 = 225$$

$$\sqrt{225} = 15$$

$$1^3 = 1 \times 1 \times 1 = 1$$

$$\sqrt[3]{1} = 1$$

$$2^3 = 2 \times 2 \times 2 = 8$$

$$\sqrt[3]{8} = 2$$

$$3^3 = 3 \times 3 \times 3 = 27$$

$$\sqrt[3]{27} = 3$$

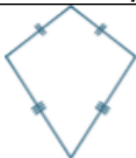

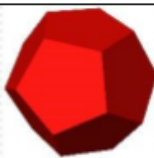
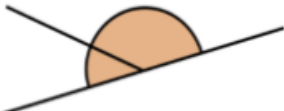


$$4^3 = 4 \times 4 \times 4 = 64$$

$$\sqrt[3]{64} = 4$$

$$5^3 = 5 \times 5 \times 5 = 125$$

$$\sqrt[3]{125} = 5$$

In addition you can help by practising the following:

Read and write 6-digit numbers	648,315 Six hundred and forty eight thousand, three hundred and fifteen																					
Kite and dodecahedron	  																					
Add and subtract 2 4 digit numbers diff decimal places	<table border="1" data-bbox="437 1355 804 1478"><tr><td></td><td></td><td>3</td><td>.</td><td>5</td><td>4</td><td>7</td></tr><tr><td>+</td><td>4</td><td>9</td><td>.</td><td>0</td><td>4</td><td></td></tr><tr><td></td><td></td><td></td><td>.</td><td></td><td></td><td></td></tr></table> <div>3.547 + 49.04</div>			3	.	5	4	7	+	4	9	.	0	4					.			
		3	.	5	4	7																
+	4	9	.	0	4																	
			.																			
Doubles and halves of 1-digit decimals	Double 0.6 is 1.2    Half of 1.8 is 0.9																					
Add and subtract fractions where the denominators are multiples	$\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ $\frac{1}{3} + \frac{1}{9} = \frac{3}{9} + \frac{1}{9} = \frac{4}{9}$																					
Angles in a straight line	Angles add up to 180°   																					
Bonds to 1 to two decimal places	0.64 + 0.36 = 1    0.17 + 0.83 = 1																					