



Year 5 Summer 1 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:

Percentage and decimal equivalents of halves, quarters and tenths

$$\frac{1}{2} = 50\% = 0.5$$

$$\frac{1}{4} = 25\% = 0.25$$

$$\frac{3}{4} = 75\% = 0.75$$

$$\frac{1}{10} = 10\% = 0.1$$

$$\frac{2}{10} = 20\% = 0.2$$

$$\frac{3}{10} = 30\% = 0.3$$

$$\frac{4}{10} = 40\% = 0.4$$

$$\frac{5}{10} = 50\% = 0.5$$

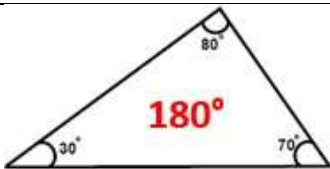

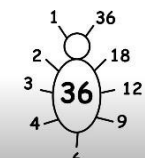
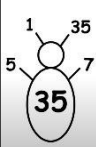
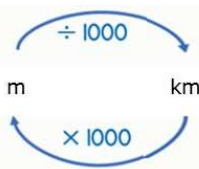
$$\frac{6}{10} = 60\% = 0.6$$

$$\frac{7}{10} = 70\% = 0.7$$

$$\frac{8}{10} = 80\% = 0.8$$

$$\frac{9}{10} = 90\% = 0.9$$

In addition you can help by practising the following:

Value of each digit in 5-digit numbers 3dp	$64.825 = 60 + 4 + 0.8 + 0.02 + 0.005$																					
Bonds to 1 to 3 decimal places	$0.333 + 0.667 = 1$ $0.247 + 0.753 = 1$																					
Angles in a triangle																						
Add and subtract two 4-digit numbers 2 decimal places	<table border="1" data-bbox="485 1408 844 1538"><tr><td></td><td>3</td><td>5</td><td>.</td><td>4</td><td>7</td><td></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> $35.47 + 49.04$		3	5	.	4	7		+	4	9	.	0	4					.			
	3	5	.	4	7																	
+	4	9	.	0	4																	
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Doubles and halves of all multiples of 100 to 10,000	Double 4,200 is 8,400 Half of 6,400 is 3,200																					
Recognise factor pairs for numbers up to 100	<div data-bbox="477 1733 868 1897"></div> $35 = 1 \times 35 = 5 \times 7$ $36 = 36 \times 1 = 18 \times 2 = 12 \times 3 = 9 \times 4 = 6 \times 6$ (odd number of factors so square) $37 = 1 \times 37$ (two factors so prime)																					
Convert between m and km	<div data-bbox="501 1924 700 2092"></div> $1000\text{m} = 1\text{km}$ $3486\text{m} = 3.486\text{km}$ $45\text{km} = 45000\text{m}$																					