



Year 5 Autumn 2 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:

Bonds to 10 to 1 decimal place

$$0.1 + 9.9 = 10 \quad 0.2 + 9.8 = 10 \quad 0.3 + 9.7 = 10$$

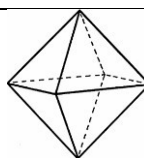
$$0.4 + 9.6 = 10 \quad 0.5 + 9.5 = 10 \quad 0.6 + 9.4 = 10$$

...

$$4.4 + 5.6 = 10 \quad 4.5 + 5.5 = 10 \quad 4.6 + 5.4 = 10$$

$$4.7 + 5.3 = 10 \quad 4.8 + 5.2 = 10 \quad 4.9 + 5.1 = 10$$

In addition you can help by practising the following:

Value of each digit in 5-digit numbers	94357 = 90,000 + 4,000 + 300 + 50 + 7																																																																												
Octahedron																																																																													
Add and subtract two 3 digit numbers	<table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5</td><td>4</td><td></td></tr><tr><td>+</td><td>4</td><td>9</td><td>0</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>							3	5	4		+	4	9	0							354 + 490																																																							
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Doubles and halves of all two-digit numbers	Double 45 is 90 Half of 98 is 49																																																																												
Tests of divisibility 3, 6 and 9	If the digits add up to 3, 6 or 9, the number is divisible by 3 If the digits add up to 3, 6 or 9 <i>and</i> the number is even, the number is divisible by 6 If the digits add up to 9, the number is divisible by 9																																																																												
Compare and add fractions with the same denominator	$\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$ $\frac{2}{7} < \frac{3}{7}$																																																																												
Roman numerals to 1000	<div><p>Roman Numerals: 1 - 1000</p><table><tr><th>I</th><th>V</th><th>X</th><th>L</th><th>C</th><th>D</th><th>M</th></tr><tr><td>1</td><td>5</td><td>10</td><td>50</td><td>100</td><td>500</td><td>1000</td></tr></table></div> <div><table><tr><td>1</td><td>I</td></tr><tr><td>2</td><td>II</td></tr><tr><td>3</td><td>III</td></tr><tr><td>4</td><td>IV</td></tr><tr><td>5</td><td>V</td></tr><tr><td>6</td><td>VI</td></tr><tr><td>7</td><td>VII</td></tr><tr><td>8</td><td>VIII</td></tr><tr><td>9</td><td>IX</td></tr><tr><td>10</td><td>X</td></tr></table><table><tr><td>11</td><td>XI</td></tr><tr><td>20</td><td>XX</td></tr><tr><td>30</td><td>XXX</td></tr><tr><td>40</td><td>XL</td></tr><tr><td>50</td><td>L</td></tr><tr><td>60</td><td>LX</td></tr><tr><td>70</td><td>LXX</td></tr><tr><td>80</td><td>LXXX</td></tr><tr><td>90</td><td>XC</td></tr><tr><td>100</td><td>C</td></tr></table><table><tr><td>200</td><td>CC</td></tr><tr><td>300</td><td>CCC</td></tr><tr><td>400</td><td>CD</td></tr><tr><td>500</td><td>D</td></tr><tr><td>600</td><td>DC</td></tr><tr><td>700</td><td>DCC</td></tr><tr><td>800</td><td>DCCC</td></tr><tr><td>900</td><td>CM</td></tr><tr><td>1000</td><td>M</td></tr><tr><td>1001</td><td>MI</td></tr></table></div>			I	V	X	L	C	D	M	1	5	10	50	100	500	1000	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII	8	VIII	9	IX	10	X	11	XI	20	XX	30	XXX	40	XL	50	L	60	LX	70	LXX	80	LXXX	90	XC	100	C	200	CC	300	CCC	400	CD	500	D	600	DC	700	DCC	800	DCCC	900	CM	1000	M	1001	MI
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