

Key Instant Recall Facts Y6 - Spring 2nd

This half term your children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts **instantly**!

Know all the square numbers to 12×12 and prime numbers to 100

Helpful hints for parents

- *Create regular opportunities for rapid fire questions where an instant correct answer is required*
- *Encourage children to use what they already know, for example the 6x table is double the 3x table!*

Remember: A square number is a number multiplied by itself.

- 1) Write out the numbers from 1 to 100 in ten rows of 10.
- 2) Colour in 1×1 , 2×2 , 3×3 , etc. up to 10×10
- 3) Is there a pattern? Can you explain it?
- 4) Examine the differences between each square number.
- 5) Can you predict the next two square numbers and beyond?
- 6) If you have completed the exercise correctly, you should have shaded 1, 4, 9, 16, 25, 36, 49, 64, 81 and 100, and established that the next two numbers are 121 and 144.

7) Now learn them and the corresponding square roots (e.g. the square root of 81 is 9)

8) Can you write some word problems of your own involving square numbers and square roots.

e.g. 8 people paid £8 each for theatre tickets. How much did they pay altogether?

e.g. If 12 people paid £144 for tickets altogether, how much was each ticket?

Remember: A prime number is a number with only itself and 1 as factors

91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!