Deepdale Community Primary School - Maths

Topic: KIRFS (Key Instant Recall Facts)

Year 5

Recall addition and subtraction fact for 1 and 10 with numbers to one decimal place

Decimal number bonds to 1

e.g.

$0.1 + 0.9 = 1$

$0.2 + 0.8 = 1$

$0.3 + 0.7 = 1$

$0.4 + 0.6 = 1$

Decimal number bonds to 10

e.g.

$1.1 + 8.9 = 10$ $2.1 + 7.9 = 10$

$1.2 + 8.8 = 10$ $2.2 + 7.8 = 10$

$1.3 + 8.7 = 10$ $2.3 + 7.7 = 10$

Extra:

Children should be able to answer questions like these as well as missing number problems e.g.

$0.2 + \bigcirc = 1$ or $3.6 + \bigcirc = 10$

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.

Recall prime numbers up to 19

Prime number – a number with no factors other than itself and one

A prime number has only 1 and itself as factors: 2, 3, 5, 7, 11, 13, 17, 19,

Composite number – a number that is divisible by a number other than 1 or itself

Cycling Squares

At http://nrich.maths.org/1151 there is a challenge involving square numbers. Can you complete the challenge and then create your own examples?

Matching Games

Try the online matching pairs game at: https://www.mymathsroom.com/SquareNumbers.html

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Recall related tables facts for multiples of 10

$8 \times 9 = 72$ $80 \times 9 = 720$	$9 \times 8 = 72$ $90 \times 8 = 720$
$72 \div 9 = 8$ $720 \div 9 = 80$	$72 \div 8 = 9$ $720 \div 8 = 90$

Recall square numbers up to 12 x 12

Square numbers result from a number being multiplied by itself:

1x1= **1**

2x2= **4**

3x3= **9**

4x4= **16**

5x5= **25**

6x6= **36**

7x7= **49**

8x8= **64**

9x9= **81**

10x10= **100**

11x11= **121**

12x12= **144**

$2^2 = 4$

$2 \times 2 = 4$

$5^2 = 25$

$5 \times 5 = 25$