Aston & Cote Primary School – Knowledge Organiser

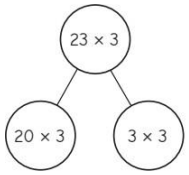
Maths	Year 3	Term 3

Key Times Tables

0 x 8 =	0
1 x 8 =	8
2 x 8 =	16
3 x 8 =	24
4 x 8 =	32
5 x 8 =	40
6 x 8 =	48
7 x 8 =	56
8 x 8 =	64
9 x 8 =	72
10 x 8 =	80
11 x 8 =	88
12 x 8 =	96

0 x 4 =	0
1 x 4 =	4
2 x 4 =	8
3 x 4 =	12
4 x 4 =	16
5 x 4 =	20
6 x 4 =	24
7 x 4 =	28
8 x 4 =	32
9 x 4 =	36
10 x 4 =	40
11 x 4 =	44
12 x 4 =	48

Multiplication and Division

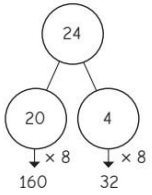


20 × 3 = 60
3 × 3 = 9
23 × 3 = 69

Use a part-whole model to help you work out the multiplications.

21 × 5 | 42 × 2 | 52 × 2 | 21 × 6

Mo uses a part-whole model to work out 24 × 8

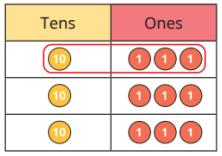


160 + 32 = 192
24 × 8 = 192

Use Mo's method to work out the multiplications.

18 × 4 | 73 × 5 | 42 × 5 | 28 × 8

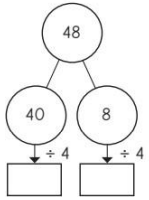
Dani uses place value counters to work out 39 ÷ 3



39 ÷ 3 = 13

Eva uses a part-whole model to work out 48 ÷ 4

Complete Eva's workings.



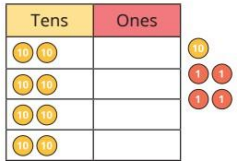
48 ÷ 4 = _____

Use either Dani or Eva's method to work out these:

84 ÷ 4 | 66 ÷ 2 | 66 ÷ 3 | 69 ÷ 3

Alex uses place value counters to work out 94 ÷ 4

First, she shares the tens into 4 equal groups.



She needs to exchange the remaining ten for 10 ones.

Alex shares as many of the ones as possible into 4 equal groups.

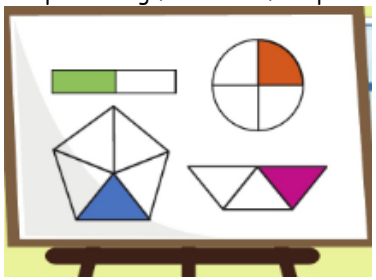
94 ÷ 4 = 23 r2

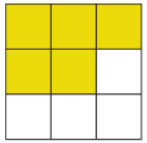
Use Alex's method to work out the divisions.

76 ÷ 3 | 62 ÷ 5 | 58 ÷ 4 | 83 ÷ 6

Fractions

Representing fractions of shapes:





Comparing fractions

is greater than

Ordering fractions on a number line and using this to add and subtract fractions e.g 1/8 +2/8= 2/8