Hampshire Mathematics Team
Multiplication templates

One, ten, five derive…

10x Table

Multiplication and Division Facts

10

10+10=

10+10+10=

10+10+10+10=

10+10+10+10+10=

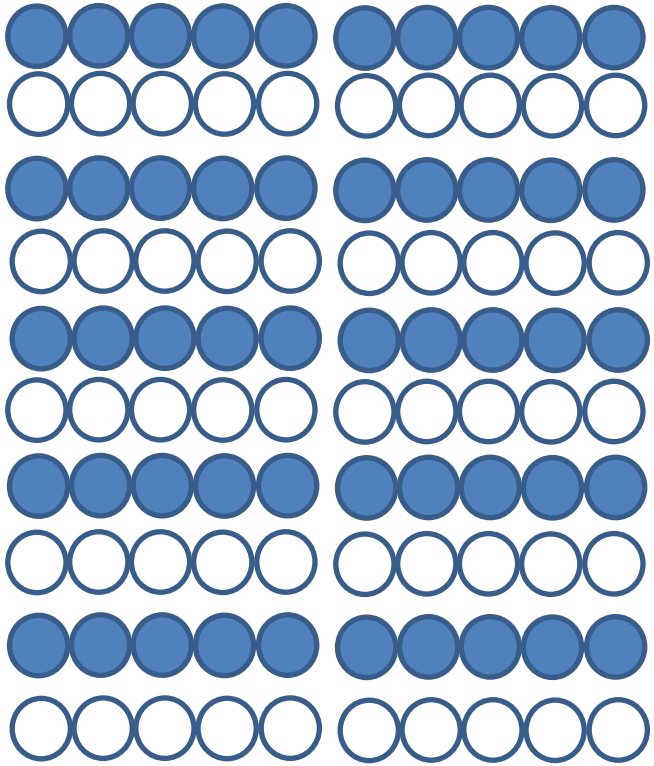
10+10+10+10+10+10=

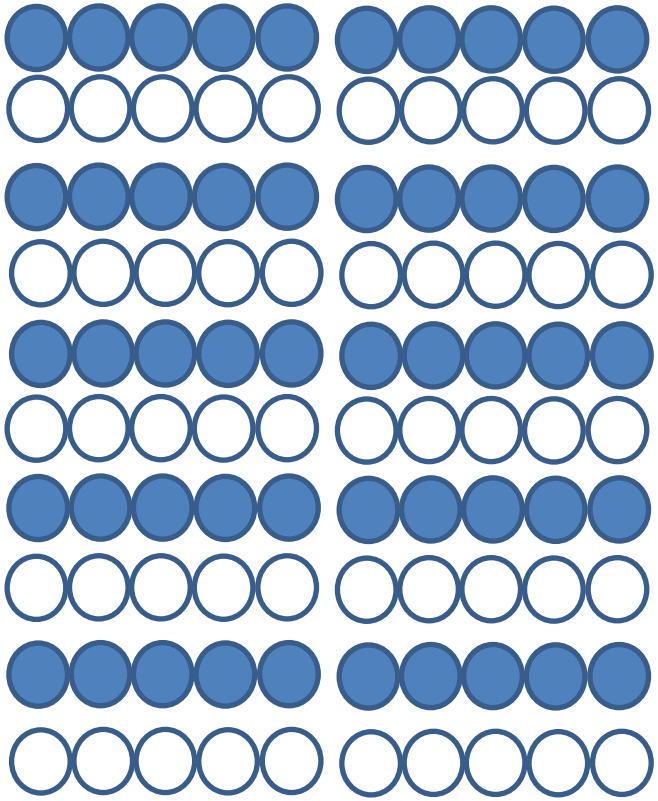
10+10+10+10+10+10+10=

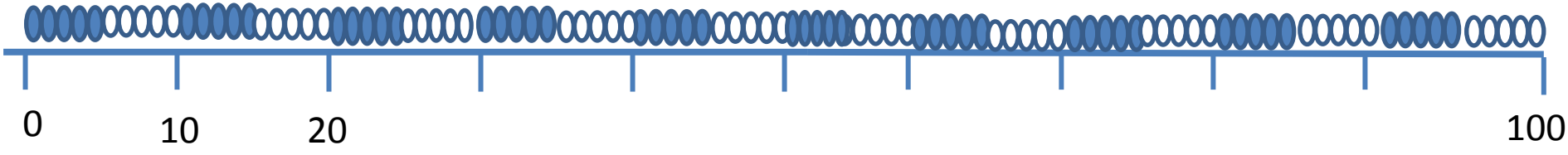
10+10+10+10+10+10+10+10=

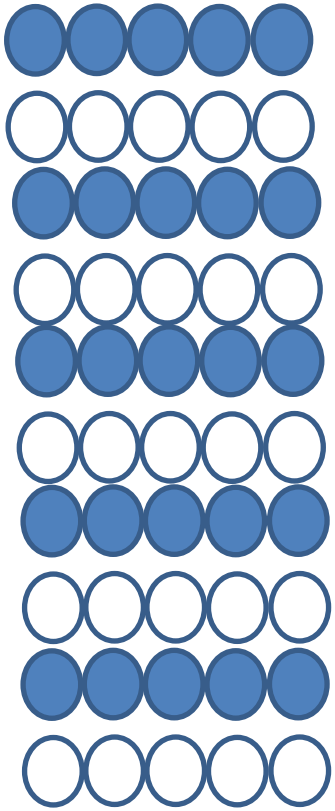
10+10+10+10+10+10+10+10+10=

10+10+10+10+10+10+10+10+10+10=






0
10
20
100



5 X1=

5 X2=

5 X3=

5 X4=

5 X5=

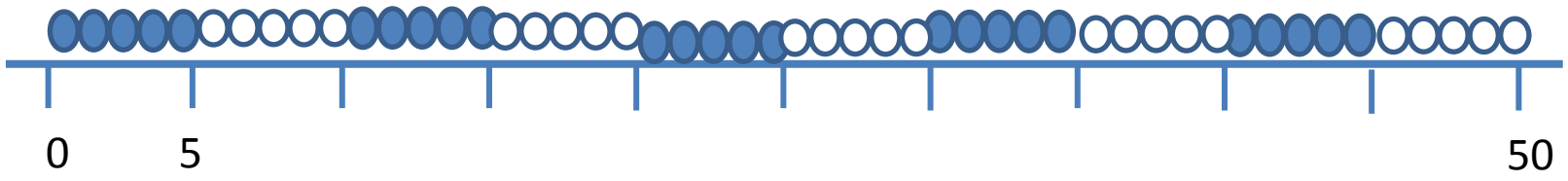
5 X6=

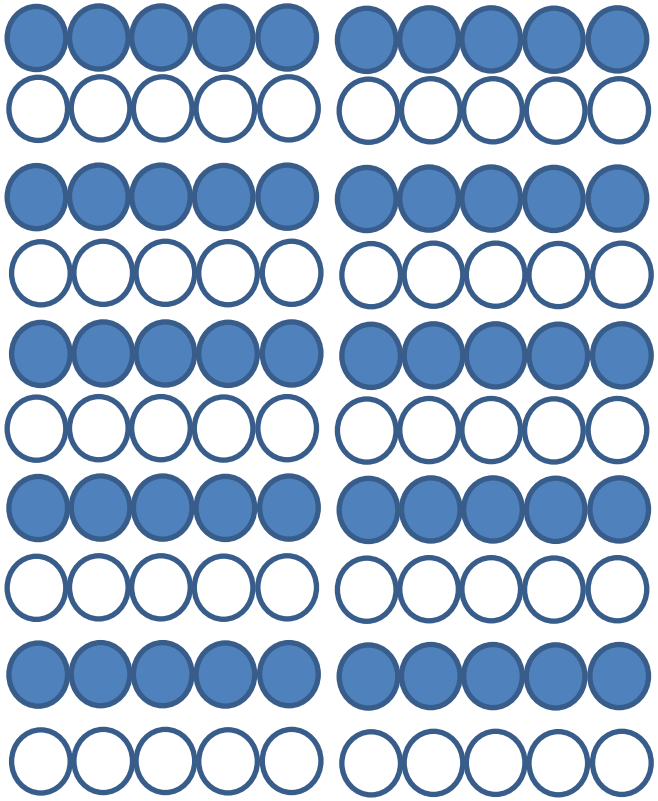
5 X7=

5 X8=

5X9=

5 X10=





10 X1=

10 X2=

10 X3=

10 X4=

10 X5=

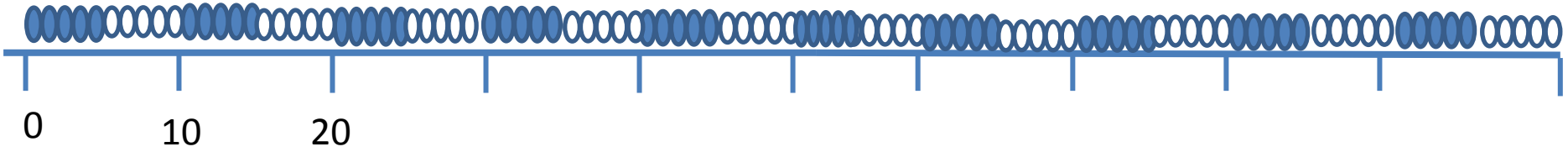
10 X6=

10 X7=

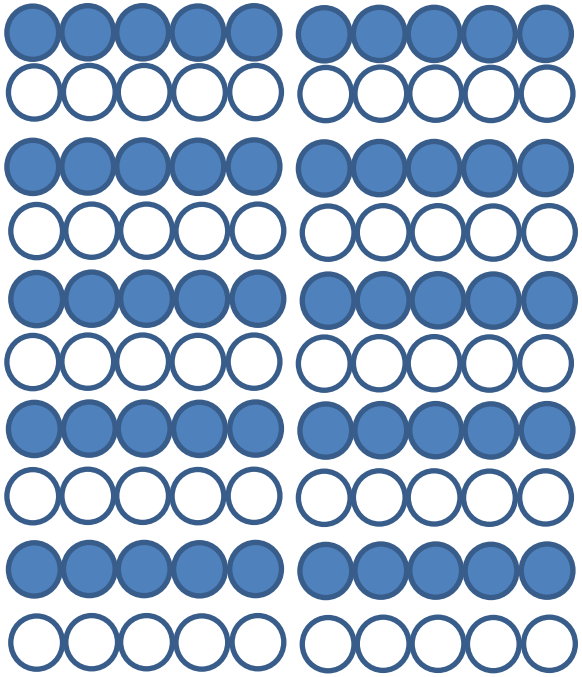
10 X8=

10X9=

10 X10=

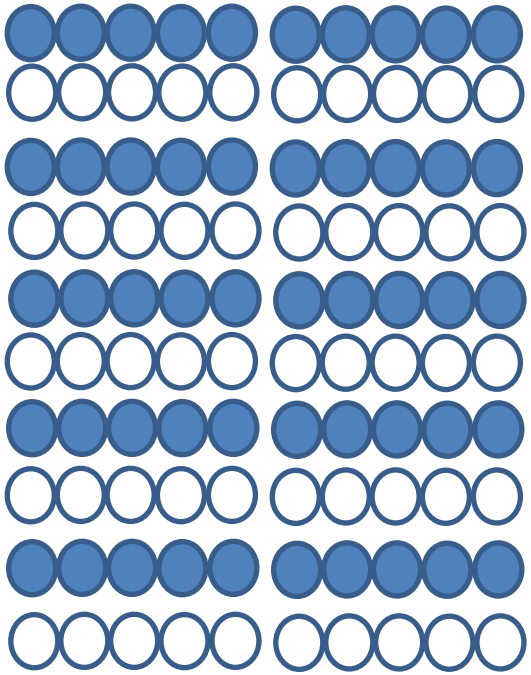


Counting in 10s, Multiples of 10



10	**10** X1=
10+10=	**10** X2=
10+10+10=	**10** X3=
10+10+10+10=	**10** X4=
10+10+10+10+10=	**10** X5=
10+10+10+10+10+10=	**10** X6=
10+10+10+10+10+10+10=	**10** X7=
10+10+10+10+10+10+10+10=	**10** X8=
10+10+10+10+10+10+10+10+10=	**10**X9=
10+10+10+10+10+10+10+10+10+10=	**10** X10=

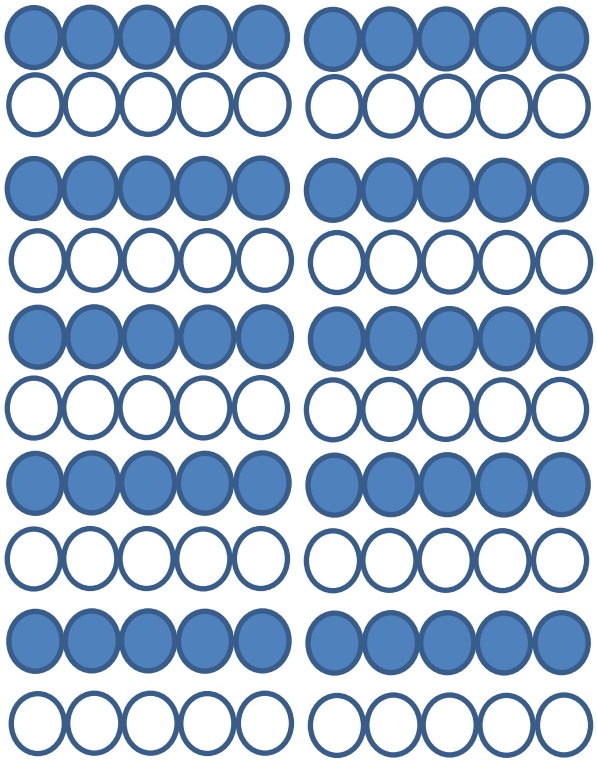
Multiples of 10



10 X1=
10 X2=
10 X3=
10 X4=
10 X5=
10 X6=
10 X7=
10 X8=
10X9=
10 X10=

What is your favourite order for working out these linked facts?

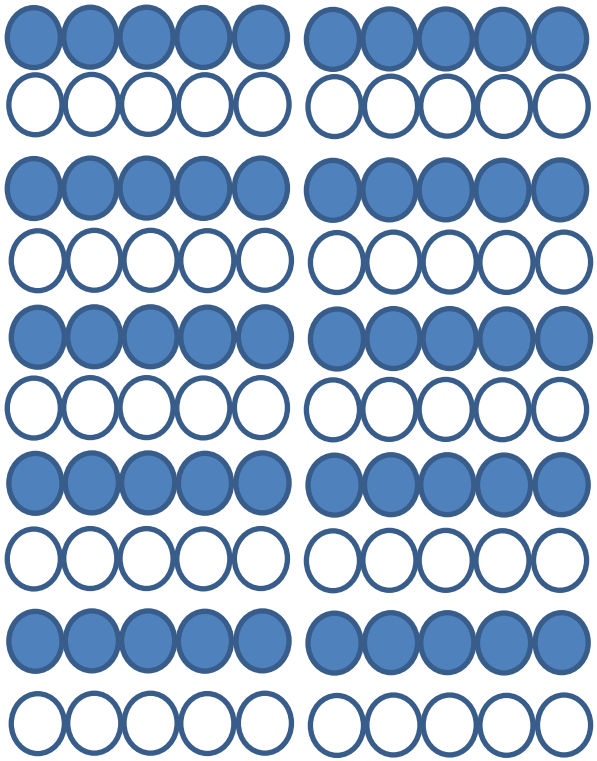
How many groups of 10 in multiples of 10…?



10
20
30
40
50
60
70
80
90
100

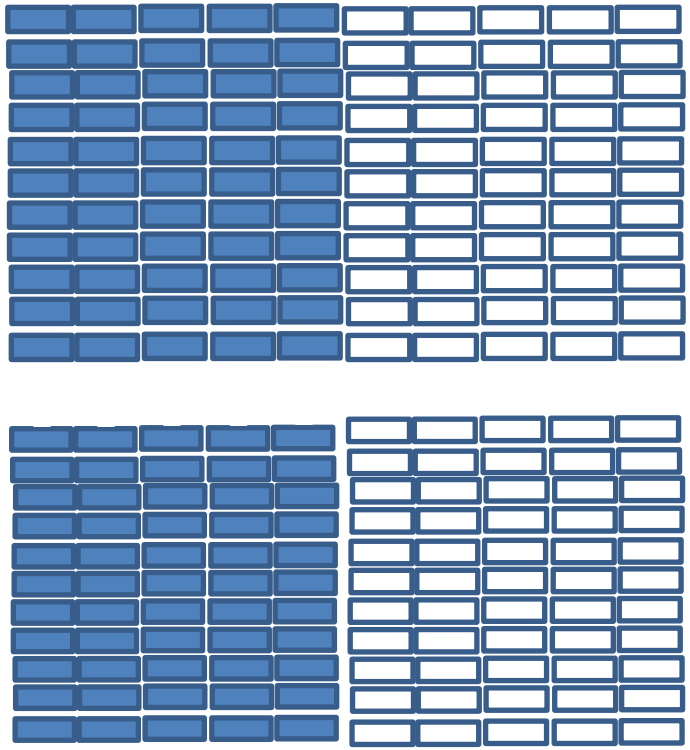
10**÷ 10**=
20**÷ 10**=
30 **÷ 10**=
40 **÷ 10**=
50 **÷10**=
60 **÷ 10**=
70 **÷ 10**=
80 **÷ 10**=
90 **÷10**=
100 **÷10**=

How many groups of 10 in any number…?



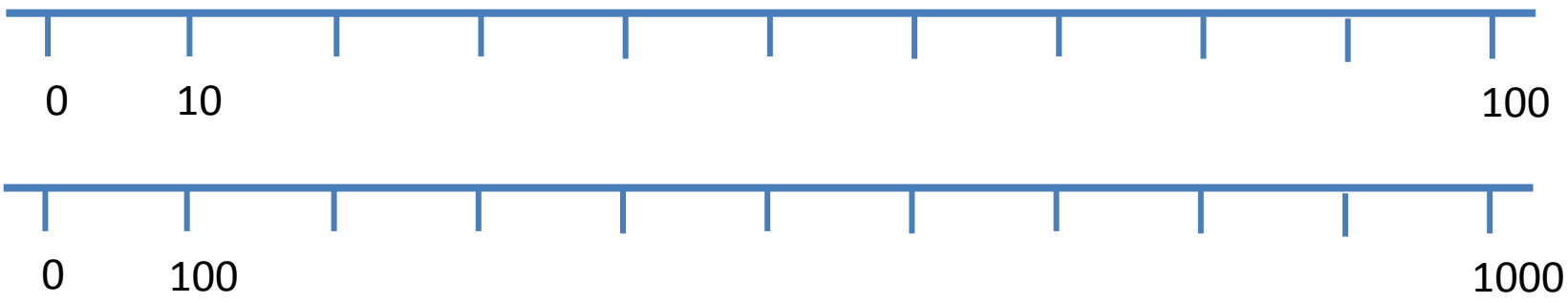
11	11 ÷ 10 =
21	21 ÷ 10 =
34	34 ÷ 10 =
46	46 ÷ 10 =
53	53 ÷ 10 =
69	69 ÷ 10 =
73	73 ÷ 10 =
88	88 ÷ 10 =
92	92 ÷ 10 =

Multiples of 10, 100



10 X1=
10 X2=
10 X3=
10 X4=
10 X5=
10 X6=
10 X7=
10 X8=
10X9=
10 X10=

100 x1=
100 x2=
100 x3=
100 x4=
100 x5=
100 x6=
100 X7=
100 X8=
100 X9=
100X10=



Dividing into groups of 10, 100

30 ÷ 10=
60 ÷ 10=

10÷ 10=
20 ÷ 10=

40 ÷ 10=
80÷ 10=

50÷ 10=
100 ÷ 10=

70÷ 10=
90 ÷ 10=

300÷ 100=
600 ÷ 100=

100 ÷ 100=
200 ÷ 100=

400 ÷ 100=
800 ÷ 100=

500÷ 100=
1000 ÷ 100=

700 ÷ 100=
900÷ 100=

Array

Bar Model:

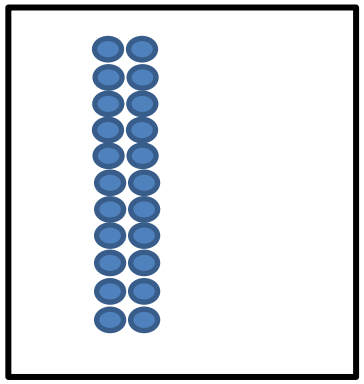
Number line:

Bar model:

Number line:

10x6=

Array



200x8=1600

800x2=1600

0.2x 8=1.6

0.8x2=1.6

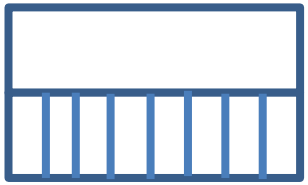
2/10 x8=16/10= 1 6/10

8/10 x2=16/10= 1 6/10

20x 8=160

80x2=160

Bar Model:



8x2=16

Eg 2x8= 16

16 ÷2=8

16 ÷8=2

Number line:

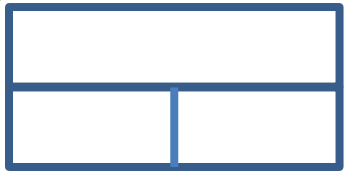
160 ÷2=80

160 ÷8=20

160 ÷20=8

160 ÷80=2

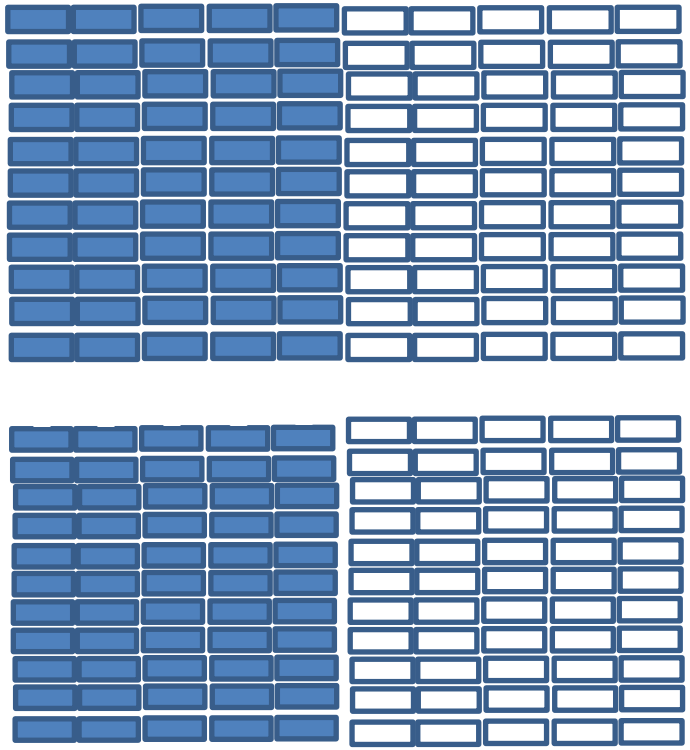
Bar model:



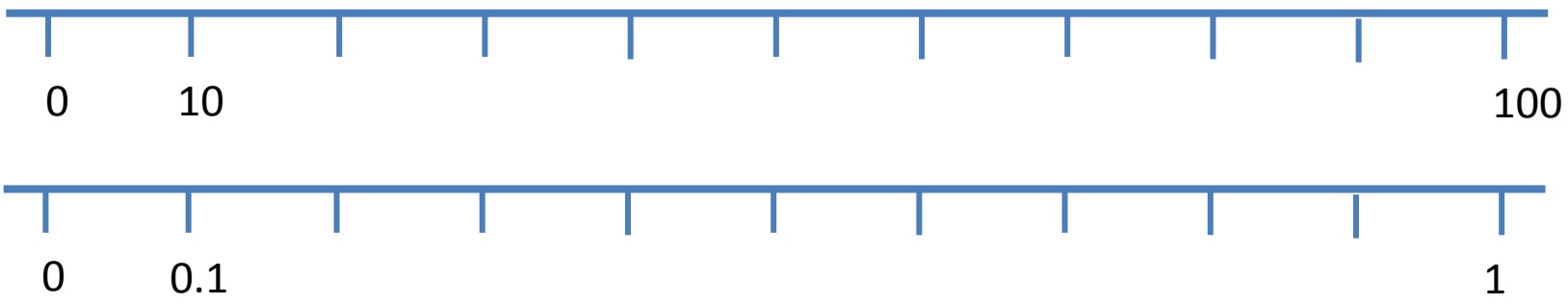
Which sets of related facts would be appropriate for Y3, Y4, Y5?
Could pupils adjust the number lines, bar models to match?
Links to fractions?

Number line:

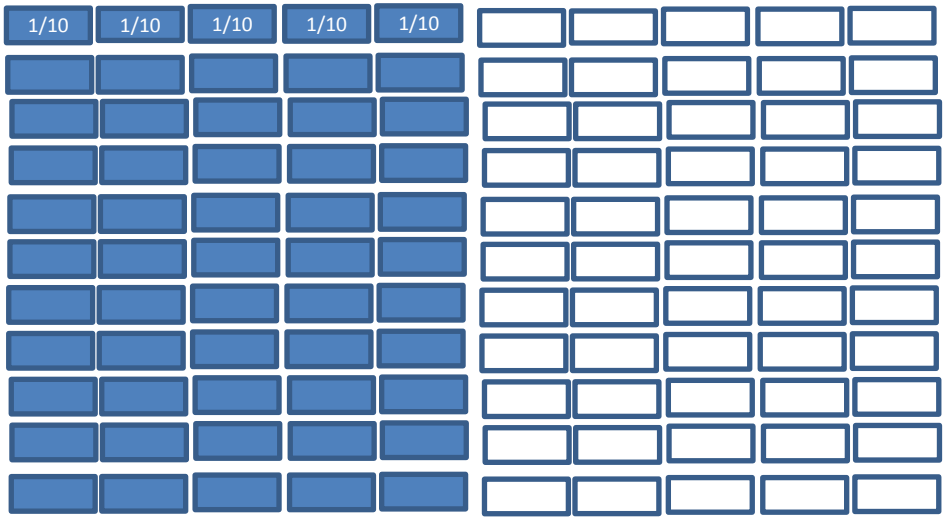
Multiples of 10, 0.1



10 X1=	**0.1** X1=
10 X2=	**0.1** X2=
10 X3=	**0.1** X3=
10 X4=	**0.1** X4=
10 X5=	**0.1** X5=
10 X6=	**0.1** X6=
10 X7=	**0.1** X7=
10 X8=	**0.1** X8=
10X9=	**0.1**X9=
10 X10=	**0.1** X10=

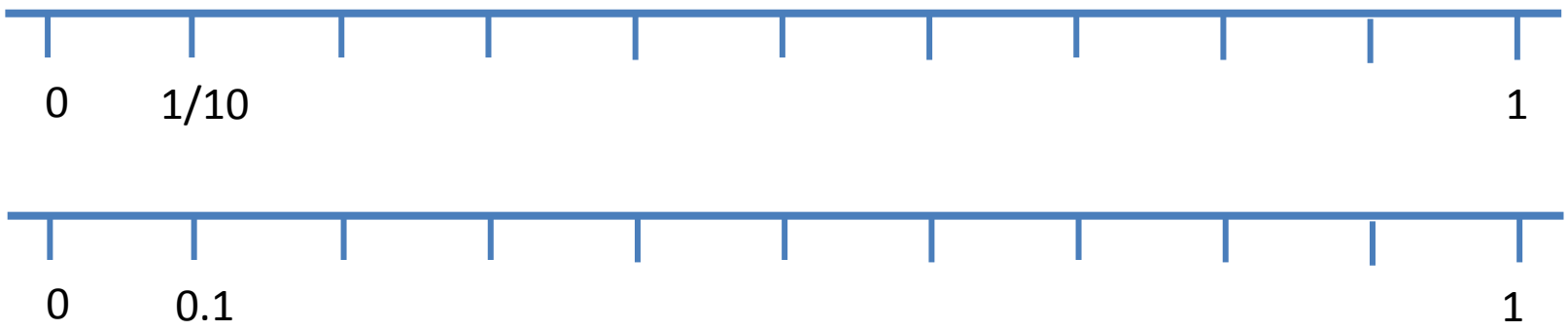


Multiples of 1/10, 0.1



1/10 X1=
1/10 X2=
1/10 X3=
1/10 X4=
1/10 X5=
1/10 X6=
1/10 X7=
1/10 X8=
1/10 X9=
1/10 X10=

0.1 x1=
0.1 x2=
0.1 x3=
0.1 x4=
0.1 x5=
0.1 x6=
0.1 X7=
0.1 X8=
0.1 X9=
0.1 X10=



Dividing into groups of 0.1, 10

0.3 ÷ 0.1=
0.6÷ 0.1=

0.1 ÷ 0.1=
1 ÷ 0.1 =

0.2÷ 0.1=
0.4÷ 0.1=

0.5÷ 0.1=
0.8÷ 0.1=

0.7÷ 0.1=
0.9 ÷ 0.1=

30÷ 10=
60 ÷ 10=

10÷ 10=
100 ÷ 10=

20 ÷ 10=
40÷ 10=

50÷ 10=
80 ÷ 10=

70÷ 10=
90 ÷ 10=

Dividing into groups of 0.1, 10, 100,

0.3 ÷ 0.1=
0.6÷ 0.1=

0.1 ÷ 0.1=
1 ÷ 0.1 =

0.2÷ 0.1=
0.4÷ 0.1=

0.5÷ 0.1=
0.8÷ 0.1=

0.7÷ 0.1=
0.9 ÷ 0.1=

30÷ 10=
60 ÷ 10=

10÷ 10=
100 ÷ 10=

20 ÷ 10=
40÷ 10=

50÷ 10=
80 ÷ 10=

70÷ 10=
90 ÷ 10=

300÷ 100=
600 ÷ 100=

100 ÷ 100=
1000 ÷ 100=

200 ÷ 100=
400 ÷ 100=

500÷ 100=
800 ÷ 100=

700 ÷ 100=
900÷ 100=