Name———————————————————— Date————————————————————

Numeracy Assessment

Partitioning

Partition the following numbers:

123 = [ ] + [ ] + [ ]

1342 = [ ] + [ ] + [ ] + [ ]

4325 = [ ] + [ ] + [ ] + [ ]

Doubling Numbers Up to 100

Doubling means multiplying by [ ] .

Double 18 [ ]   Double 35 [ ]   Double 48 [ ]
Double 23 [ ]   Double 14 [ ]   Double 73 [ ]

Multiplying and Dividing by 10 and 100

If you are multiplying ($\times$) you move the digits to the [ ] .

If you are dividing ($\div$) you move the digits to the [ ] .

23 $\times$ 10 = [ ]   45 $\times$ 10 = [ ]   65 $\times$ 10 = [ ]

240 $\div$ 10 = [ ]   530 $\div$ 10 = [ ]   320 $\div$ 10 = [ ]

34 $\times$ 100 = [ ]   17 $\times$ 100 = [ ]   25 $\times$ 100 = [ ]

3400 $\div$ 100 = [ ]   2300 $\div$ 100 = [ ]   1100 $\div$ 100 = [ ]

Numbers halfway between…

What is the number halfway between 20 and 80? Use a number line to help you if you need it…

20 _____ 80 [ ]
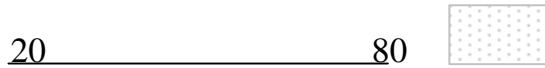
What is the number halfway between 130 and 180? Use a number line to help you if you need it…

130 _____ 180 [ ]

Common Fractions and Percentages

$\dfrac{1}{2}$ = 50% $\dfrac{1}{4}$ = [ ] % $\dfrac{1}{10}$ = [ ] % $\dfrac{3}{4}$ = [ ] %

What is ½ of 42? [ ]   What is ½ of 28? [ ]

What is 50% of 38? [ ]   What is 50% of 76? [ ]

What is ¼ of 24? [ ]   What is ¼ of 40? [ ]

What is 25% of 16? [ ]   What is 25% of 60? [ ]

What is one tenth of 30? [ ] What is 10% of 70? [ ]

What is 1/10 of 360? [ ]   What is 1/10 of 80? [ ]

What is 3/10 of 60? [ ]   What is 4/10 of 30? [ ]
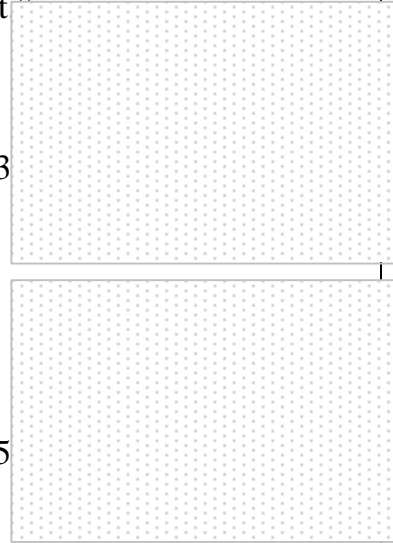
Finding the difference – Subtraction

Find the difference between the following numbers using the
"Counting On" method. Use a number line to show how you did it….
Use space at the side for any other "working out."

143 – 75 = ☐

75 —————————————— 143

345 – 32 = ☐

32 —————————————— 345

Decomposition – Subtraction

Find the answers to the following subtraction questions using the
decomposition method. Remember to partition the numbers first.

144 → ☐   ☐   ☐
– 29 → ☐   ☐

☐   ☐   ☐   Answer = ☐

345 → ☐   ☐   ☐
– 68 → ☐   ☐
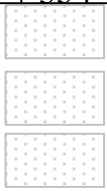
☐   ☐   ☐   Answer = ☐

Addition
Find the total of these numbers by adding the most significant digits first.

234
+ 354

348
+267

374
+216

Division

4 ⟌ 27

6 ⟌ 39

11 ⟌ 79

9 ⟌ 87

12 ⟌ 66
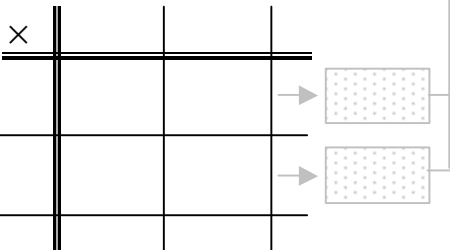
23 ⟌ 56
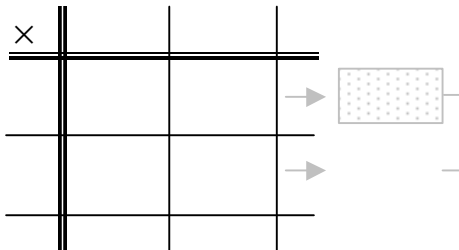
45 ⟌ 110

27 ⟌ 135

Multiplication

Set out these multiplication sums using the grid method.
Remember to partition accurately.

34 × 25 =

18 × 67 =

×

×

C.J.Pointer 2/00

Decimal Fractions and Place Value

3 2 1 . 3 5

How many hundreds in the hundreds column? [ ]

How many units…? [ ]

How many hundredths are in the hundredths column? [ ]

Is 1 cm one tenth or one hundredth of 1 m? [ ]

2.32 m = [ ] cm   1.42 m = [ ] cm

145cm = [ ] m   423cm = [ ] m

How many millilitres are in a litre? (!!) [ ]

Circle the correct answer.

0.5 =   ½   ¼   1/3   1/5   50%   25%

0.25 = ½   ¼   1/3   1/5   50%   25%

Problems, problems, problems!

Danielle is 135cm tall. Hayley is 149cm tall. How much taller is Hayley? [ ]

The books I bought on Saturday cost £3.50, £4.50, and £6.00. How much did I spend and how much change did I get from £20.00? [ ]

I need to buy as many 27p stamps as I can with £2.00. How many will I be able to buy and how much change will I have? [ ]