

Ashfield Valley Primary School— Year 4 – Maths Summer 1 Knowledge Organiser

Place Value

Place Value											
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths

Children need to understand the value of each digit in a number, including those after the decimal point.

E.g. What is the value of 4 in 4762?

What is the value of 8 in 982?

Fractions and Decimals

Can you convert tenths and hundredths to decimals?

Do you know how to represent one quarter, one half and three quarters as decimals?

0.1 = one tenth

0.01 = one hundredth

0.25 = one quarter

0.5 = one half

0.75 = three quarters

Multiplication and Division

Factors - what are the factors of 36?

9 and 4

12 and 3

1 and 36

Multiples what are the multiples of 8?

16. 24. 32. 40. 48. 56. 64. 72. 80., 88. 96

Vocabulary—product, multiples, multiply, factor, divisible by,

Measures

Which times tables do you need to learn?

Remember to use TT Rocks Stars to practise your times tables!

Measurement conversions

Length

1 kilometre = 1000 metres

1 metre = 100 centimetres

1 centimetre = 10 millimetres



km
m
cm
mm

Measurement conversions

Weight

1 tonne = 1000 kilograms

1 kilogram = 1000 grams

1 gram = 1000 milligrams



t
kg
g
mg

Measurement conversions

Capacity

1 litre = 1000 millilitres

1 centilitre = 10 millilitres



l
cl
ml

Measures questions

How many cm are in a m?

How many litres do 3000ml make?

How many grams are in 3.5kg?

How many cm in 7m?

How many minutes are in an hour?