



Oakwood Maths

Basic Skills Logs

Gold Award



Name: _____ Class: _____



This is the **GOLD Basic Skills Maths Log**, where you will be using your multiplication and division facts to work with money, decimals and having a range of mental maths strategies for all occasions.

When you are ready for your final test, you **must** make sure you are still confident with your skills from the Bronze and Silver logs too, as you will be tested on those again as part of being tested on Gold skills.



I double all whole numbers up to 10,000

Date achieved in school

Step 1 I can double multiples of 10 up to 1,000

Step 2 I can double multiples of 100 up to 10,000

Step 3 I can double any number up 1,000

Step 4 I can double any number up to 10,000

Examples of language we might use:

Multiply 30 by 2
Double 430

2 x 467
659 times 2

Twice 398

Date section achieved:

I can halve whole numbers up to 10,000

Date achieved in school

Step 1 I can halve multiples of 10 up to 1,000

Step 2 I can halve multiples of 100 up to 10,000

Step 3 I can halve any number up 1,000

Step 4 I can halve any number up to 10,000

Examples of language we might use:

50% of 67
Divide 8750 by 2

Halve 340
5486 ÷ 2

Date section achieved:

I can double decimal numbers with tenths

eg. Double 23.4 is 46.8
 $65.2 \times 2 = 130.4$
 $2 \times 53.7 = 107.4$

23.8

Tip! Partition the number:

2 x 53.7

$2 \times 53 = 106$ $2 \times 0.7 = 1.4$ $106 + 1.4 = 107.4$

Date achieved: _____

I can double decimal numbers with hundredths

eg. Double 32.21 is 64.42
 $£46.22 \times 2 = £92.44$
 $2 \times 14.78 = 29.56$



Tip! Think about it as money!

2 x £14.78

$2 \times £14 = £28$ $2 \times 78p = £1.56$ $£28 + £1.56 = £29.56$

Date achieved: _____

I can halve decimal numbers with units and tenths

eg. Half of 4.2 is 2.1
 $8.6 \div 2 = 4.3$
 $\frac{1}{2}$ of 6.3 is 3.15

Tip! A zero in the hundredths column can help...
 $\frac{1}{2}$ of 6.3 = $\frac{1}{2}$ of **6.30** = 3.15

Date achieved: _____



I can use a range of strategies to multiply and two digit number by a single digit number.

There are **lots** of strategies for multiplying numbers by a single digit, and they all use skills you already know.

You **must know them all** to get gold.

x 4 → **Double and double again**

eg 17×4 → **17, 34, 68**

x 8 → **Double, double, double**

eg 8×56 → **56, 112, 224, 448**

x 5 → **Multiply by 10 and then halve it**

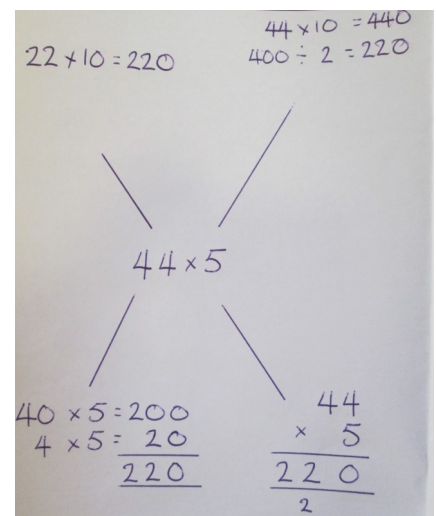
eg 94×5 → $94 \times 10 = 940$ → $940 \div 2 = 470$

x 9 → **Multiply by 10 and take one lot away**

eg 28×9 → $280 \times 10 = 280$ → $280 - 28 = 252$

You can **also** show your column multiplication skills and your partitioning skills. You should be able to solve problems using the most appropriate strategy.

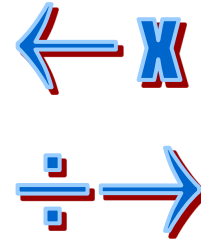
When being tested on this section, you will be asked to show **at least** two different ways of solving the problem.



Date achieved: _____

I can multiply or divide any number by 10 or 100

eg. $43.2 \times 10 = 432$
 $432 \div 100 = 4.32$
 $6.02 \times 100 = 602$
 $6.02 \div 100 = 0.0602$



Tip! Move the digits left or right along the columns

Multiply Left, Divide Right

Date achieved: _____

I can use my knowledge of times tables up to 12 to find fractions of amounts

$5/6 \text{ of } 240$

$3/7 \times 4900$

$5/12 \text{ of } \text{£}120$

$3/4 \times 48$

$7/10 \text{ of } 300$

$2/9 \times 8100$

Date achieved: _____

I can find the following percentages of whole numbers up to 1000...

1 % 5% 10% 25% 50% 75% 100%

1% → divide by 100
10% → divide by 10
5% → divide by 10 and halve it
25% → divide by 4 (halve and halve again)
50% → halve it
75% → find 50%, find 25% add together **or** divide by 4 and multiply by 3

Date achieved: _____

Know the following measure conversions:

<p style="text-align: center;">Length</p> <p>1 centimetre (cm) = 10 millimetres (mm) 1 metre (m) = 100 centimetres (cm) 1 kilometre (km) = 1000 metres (m)</p>	<p style="text-align: center;">Mass</p> <p>1 kilogram (kg) = 1000 grams (g) 1 tonne = 1000 kilograms (kg) 500 grams (g) = $\frac{1}{2}$ kilogram (kg)</p>
<p style="text-align: center;">Capacity</p> <p>1 litre (l) = 1000 millilitres (ml) 1 litre (l) = 100 centilitres (cl) 1 centilitre (cl) = 100 millilitres (ml)</p>	<p style="text-align: center;">Time</p> <p>1 minute = 60 seconds 1 hour = 60 minutes 1 day = 24 hours</p>
<p>Angles</p> <p>Full rotation = 360° Half rotation = 180°</p> <p>Quarter rotation (right angle) = 90°</p> <p>Internal angles in a triangle add up to 180°</p> <p>Internal angles in a quadrilateral add up to 360°</p> <p>Angles on a straight line add up to 180°</p> <p>Acute angle = less than 90°</p> <p>Obtuse angle = greater than 90° but less than 180°</p> <p>Reflex angle = greater than 180°</p>	

Date achieved: _____

Congratulations, you have
achieved your Gold Award!



School Signature

Date



Oakwood Maths

Basic Skills Logs

At Oakwood Primary School, we have a Basic Skills Log system, which leads to awards.



Rockets, Stars and Planets

These three logs are worked through in Years R, 1 and 2. They help embed basic knowledge of the number system and number bonds.

Children should aim for all three awards by the end of Year 2.



The Bronze Award

This is knowing all your tables up to 12×12 and all the division facts which go with them.

Children should aim for this by the end of Year 4.



The Silver Award

This is using your multiplication and division facts to multiply and divide by multiples of 10, knowing square numbers, doubling and halving and knowing common fraction equivalents.

Children should aim for this by the end of Year 5.



The Gold Award

This is using your multiplication and division facts to work with money, decimals and having a range of mental maths strategies for all occasions!

Children should aim for this by the end of Year 6.

When children have achieved the **Gold Award**, they can move on to the **Platinum** and **Platinum Plus Awards**.