

I can quickly recall multiplication facts for the

2, 5, 10, 3, 4 and 6 times tables.

e.g. $9 \times 3 = 27$

I can quickly derive corresponding division facts.

e.g. $9 \times 3 = 27$ so $27 \div 3 = 9$

I can multiply a 2 or 3 digit number by 10 and 100.

e.g. $92 \times 10 = 920$ $92 \times 100 = 9200$

I can use my knowledge of place value and multiplication facts to 10 x 10 to derive related multiplication and division facts involving decimal numbers.

e.g. $8 \times 7 = 56$ so $0.8 \times 7 = 5.6$

$4.8 \div 6 = 0.8$ because $48 \div 6 = 8$

I can quickly recall multiplication facts up to 10 x 10.

e.g. $4 \times 8 = 32$ $9 \times 5 = 45$

I can use these facts to multiply pairs of multiples of 10 and 100.

e.g. $4 \times 8 = 32$ so $40 \times 80 = 3200$
 $9 \times 5 = 45$ so $900 \times 50 = 45000$

I can quickly derive corresponding division facts.

e.g. $4 \times 8 = 32$ $32 \div 8 = 4$ $320 \div 8 = 40$

I can recall rapidly number facts, including multiplication facts to 10 x 10, associated division facts and decimal numbers.

e.g. $8 \times 7 = ?$ $720 \div ? = 80$
 $9 \times 0.4 = ?$ $36 \div ? = 0.4$

I know the square numbers to 144 and recognise the square roots of perfect squares to 12 x 12.

e.g. $1 \times 1 = ?$ $2 \times 2 = ?$ $\sqrt{64} = ?$