



Foundational Facts (Recall) Expectations

Reception	<ul style="list-style-type: none">Recall 'one more' facts, with numbers 1 to 4Recall 'one less' facts, with numbers 2 to 5Recall 'one more' facts, within 10, including zeroRecall 'one less' facts, within 10, including zeroRecall number bonds, up to a total of 5, including zero ($1+1$, $1+2/2+1$, $3+1/1+3$, $3+2/2+3$, $4+1/1+4$)Recall addition doubles for 1 and 2 (Recall double 1 and 2)Recall addition doubles for 1, 2 and 5 (Recall double 1, 2 and 5)Recall addition doubles for all numbers to 5, up to a total of 10 (Recall doubles to 5, up to a total of 10)
Year 1	<ul style="list-style-type: none">Recall 'one more' facts, within 10, including zero (EYFS)Recall 'one less' facts, within 10 (EYFS)Recall 'one more' facts, within 20, including zeroRecall 'one less' facts, within 20Recall 'one more' facts, within 50, including zeroRecall 'one less' facts, within 50Recall 'one more' facts, within 100, including zeroRecall 'one less' facts, within 100Recall number bonds and related subtraction facts within 5, including zero and use the commutative law (EYFS)Recall at least four of the six number bonds for 10 and reason about associated factsRecall systematic number bonds for 10, including zero and the commutative lawRecall systematic number bonds for 20, including zero and the commutative lawRecall addition doubles for all number to 5, up to a total of 10 (Recall doubles to 5) (EYFS)Recall corresponding halves for doubles to 5Recall addition doubles for numbers 6 to 10, up to a total of 20 (Recall doubles for numbers 6 to 10)Recall corresponding halves for doubles of numbers 6 to 10Recall addition doubles to 10, up to a total to 20 (Recall doubles to 10)Recall corresponding halves for doubles to 10
Year 2	<ul style="list-style-type: none">Recall '10 more' facts, within 100Recall '10 less' facts, within 100Recall 4/6 number bonds for 10 and reason about associated facts (Y1)Recall addition and subtraction facts, for all numbers within 20, including zero, and those for 10 and 20 and the commutative lawRecall what must be added to any two-digit number to make the next multiple of 10, within 100 ($56+? = 60$)Recall adding a one-digit number and a multiple of 10, within 100Add multiples of 10, using knowledge of bonds up to 10, within 100 ($20+50$, using knowledge of $2+5$)Subtract multiples of 10, within 100, using knowledge of bonds up to 10, within 100 ($70-30$, using knowledge of $7-3$)Recall addition doubles to 20, up to a total of 40 (Recall doubles to 20)Recall corresponding halves for doubles to 20Recall addition doubles for multiples of 10, up to a total of 100 (Recall doubles of multiples of 10)Recall corresponding halves for doubles of multiples of 10Recall doubles of multiples of 5, up to a total of 50Recall multiples of 10, up to 12×10, in any order, including missing numbers and related division factsRecall multiples of 2, up to 12×2, in any order, including missing numbers and related division factsRecall multiples of 5, up to 12×5, in any order, including missing numbers and related division facts



Foundational Facts (Recall) Expectations

Year 3

- Recall '1, 10 and 100 more' facts, within 1000
- Recall '1, 10 and 100 less' facts, within 1000
- Recall addition facts, within 100, using bonds to 10 to support ($27+3$, $36+14$)
- Recall sums of multiples of 10 ($40+30$, $50+80$ (bridge))
- Recall differences of multiples of 10 ($80-40$, $120-90$ (bridge))
- Recall what must be added to any three-digit number to make the next multiple of 100 ($521+? =600$)
- Add multiples of 100, within 1000
- Subtract multiples of 100, within 1000
- Add a multiple of 100 and a three-digit number ($200+356$ or $356+200$)
- Subtract a multiple of 100 from a three-digit number, within 1000 ($872-300$)
- Recall addition doubles for all numbers to 50, up to a total of 100 ($42+42$, $46+46$ (bridging))(Recall doubles to 50)
- Recall corresponding halves for numbers to 50
- Recall addition doubles for multiples of 10, up to a total of 200 (Recall doubles of multiples of 10)
- Recall corresponding halves for multiples of 10
- Recall addition doubles for multiples of 100, up to a total of 1000 (Recall doubles of multiples of 100)
- Recall corresponding halves for multiples of 100
- Recall doubles of multiples of 5, up to a total of 100
- Recall corresponding halves of multiples of 5
- Recall multiples of 3, up to 12×3 , in any order, including missing numbers and related division facts
- Recall multiples of 4, up to 12×4 , in any order, including missing numbers and related division facts
- Recall multiples of 8, up to 12×8 , in any order, including missing numbers and related division facts

Year 4

- Recall '1, 10, 100 and 1000 more' facts, with numbers up to 4-digits
- Recall '1, 10, 100 and 1000 less' facts, with numbers up to 4-digits
- Derive and recall addition facts, within 1000, using bonds to 10 to support ($327+23$, $452+154$)
- Derive and recall sums of multiples of 10, 100 or 1000 ($650+230$)
- Derive and recall differences of multiples of 10, 100 or 1000 ($960-390$)
- Derive and recall what must be added to any four-digit number to make the next multiple of 1000 ($4087+?=5000$)
- Derive and recall addition doubles of all numbers from 1 to 100, up to a total of 200 ($63+63$, $67+67$ (bridging))(Recall doubles up to 100)
- Recall corresponding halves of doubles up to 100
- Derive and recall addition doubles for multiples of 10, within 1000 (Recall doubles of multiples of 10)
- Recall corresponding halves of doubles of multiples of 10
- Derive and recall addition doubles for multiples of 100, up to a total of 2000 (Recall doubles of multiples of 100)
- Recall corresponding halves of doubles of multiples of 100
- Derive and recall addition doubles for multiples of 1000 (Recall doubles of multiples of 1000)
- Recall multiples of 3, up to 12×3 , in any order, including missing numbers and related division facts(Y3)
- Recall multiples of 4, up to 12×4 , in any order, including missing numbers and related division facts(Y3)
- Recall multiples of 8, up to 12×8 , in any order, including missing numbers and related division facts(Y3)
- Recall multiples of 6, up to 12×6 , in any order, including missing numbers and related division facts
- Recall multiples of 7, up to 12×7 , in any order, including missing numbers and related division facts
- Recall multiples of 9, up to 12×9 , in any order, including missing numbers and related division facts
- Recall multiples of 11, up to 12×11 , in any order, including missing numbers and related division facts
- Recall multiples of 12, up to 12×12 , in any order, including missing numbers and related division facts
- Derive and recall factor pairs for known table facts (20 (1×20 , 2×10 , 4×5))
- Multiply by 1 and 0
- Divide by 1



Foundational Facts (Recall) Expectations

Year 5

- Recall multiples of 12, up to 12×12 , in any order, including missing numbers and related division facts (Y4)
- Recall multiples of all times tables up to 12×12 , in any order, including missing numbers and related division facts
- Use the recall of multiples of all times tables up to 12×12 and related division facts to recall new facts
- Recall prime numbers up to 19
- Recall squares to 12×12
- Recall cube numbers
- Derive and recall factor pairs to 100 ($56 (1 \times 56, 2 \times 28, 4 \times 14, 7 \times 8)$)
- Recall fraction, decimal and % equivalents
- Derive and recall addition doubles for multiples of 10, 100 and 1000 ($30+30, 400+400, 2000+2000$) (Recall doubles for multiples of 10, 100 and 1000)
- Recall corresponding halves for doubles of multiples of 10, 100 and 1000
- Recall doubles of decimals with ones and tenths (Double 5.2, halve 10.4 and Double 5.6, halve 11.2)
- Recall corresponding halves of doubles of decimals with ones and tenths
- Recall '0.1 and 0.01 more' facts, with numbers up to 2.d.p.
- Recall '0.1 and 0.01 less facts, with numbers up to 2.d.p.
- Derive and recall addition complements for 1, using bonds to 10 to support (1.d.p.) ($0.7+0.3$)
- Derive and recall what must be added to a decimal, with ones and tenths (1.d.p.), to make the next whole number ($7.2+?=8$)
- Add decimals within 1 (1.d.p.) ($0.6 + 0.3$)
- Subtract decimals within 1 (1.d.p.) ($0.8 - 0.2$)

Year 6

- Use the recall of multiples of all times tables up to 12×12 and related division facts to recall new facts (Y5)
- Recall prime numbers up to 19 (2, 3, 5, 7, 11, 13, 17, 19) (Y5)
- Recall squares to 12×12 (Y5)
- Recall squares to 12×12 and the corresponding multiples of 10 ($60 \times 60 = 3600$)
- Recall cube numbers (Y5)
- Recall fraction, decimal and % equivalents (Y5)
- Derive and recall doubles of increasingly larger whole and decimal numbers (double 15.42, halve 30.84)
- Recall the corresponding halves of doubles of increasingly larger whole and decimal numbers
- Derive and recall addition doubles for multiples of 10, 100 and 1000 with increasing larger numbers (Recall doubles of multiples of 10, 100 and 1000)
- Recall the corresponding halves of doubles of multiples of 10, 100 and 1000
- Recall '0.1, 0.01 and 0.001 more' facts, with numbers up to 3.d.p.
- Recall '0.1, 0.01 and 0.001 less facts with numbers up to 3.d.p.
- Derive and recall addition facts, within 0.1 and 0.01, using bonds to 10 to support ($0.02+0.08, 0.43+0.27$)
- Derive and recall what must be added to a decimal, with ones, tenths and hundredths (2.d.p.), to make the next whole number ($7.26 + ? = 8$)