

I created these worksheets because I think it is useful to have regular practice of calculation methods away from the point of teaching. There are 12 worksheets. Questions are aligned to the Year 5 curriculum, with harder questions appearing towards the end. The answers are on the final page.

<u>Worksheets in which objective is covered</u>	<u>Year 5 National Curriculum Objective</u>
all	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
all	count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
all	multiply and divide numbers mentally drawing upon known facts
all	multiply numbers up to 4 digits by a one-digit number using a formal written method
Practice Sheet 5+	multiply numbers up to 4 digits by a two-digit number using a formal written method, including long multiplication for two-digit numbers
all	divide numbers up to 4 digits by a one-digit number using the formal written method of short division
Practice Sheet 5+	multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
all	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000
Practice Sheet 5+	add and subtract fractions with the same denominator
Practice Sheet 9+	add and subtract fractions with the same denominator and multiples of the same number
Practice Sheet 5+	recognise mixed numbers and improper fractions and convert from one form to the other
Practice Sheet 5+	practise adding and subtracting decimals, including a mix of whole numbers and decimals, decimals with different numbers of decimal places, and complements of 1 (for example, $0.83 + 0.17 = 1$)
Practice Sheet 6+	round decimals with two decimal places to the nearest whole number and to one decimal place
Practice Sheet 9+	recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$)

1 $65,328 + 2,756$

2 $35,702 + 3,785$

3 526×4

4 $1,708 - 642$

5 $492 \div 4$

6 165×5

7 Round 13,548 to the nearest thousand.

8 Round 13,548 to the nearest hundred.

9 $427,832 + 300$

10 $75,023 - 200$

1 $16,829 + 7,185$

2 $12,772 + 25,991$

3 352×6

4 $42,185 - 6,542$

5 $1252 \div 4$

6 308×5

7 Round 245,152 to the nearest ten thousand.

8 Round 245,152 to the nearest ten.

9 $785,985 + 200$

10 $102,723 - 20,000$

1 $4,207 + 75,085$

2 $3,205 \div 5$

3 $1,252 \times 8$

4 $142,778 - 39,572$

5 $6,408 \div 4$

6 $1,303 \times 5$

7 Round 445,752 to the nearest hundred thousand.

8 Round 445,752 to the nearest thousand.

9 $908,185 + 40$

10 $20,005 - 10$

1 $27,850 + 160,765$

2 $9,306 \div 3$

3 $4,090 \times 7$

4 $171,038 - 2,572$

5 $7,005 \div 5$

6 $4,383 \times 6$

7 Round 149,454 to the nearest hundred thousand.

8 Round 149,454 to the nearest ten.

9 $92,907 + 400$

10 $710,029 - 30,000$

1 $48,890 + 180,065$

2 $8,463 \div 7$

3 325×24

4 $400,018 - 472$

5 $9,195 \div 5$

6 $2,817 \times 6$

7 Round 759,804 to the nearest hundred thousand.

8 $\frac{4}{10} + \frac{3}{10} =$

9 Convert $\frac{9}{4}$ into a mixed number.

10 $0.82 + \boxed{} = 1$

1 $1,852 + 32,805$

2 $2,527 \div 7$

3 165×31

4 $708,285 - 40,372$

5 Round 209,497 to the nearest thousand.

6 $\frac{2}{12} + \frac{7}{12} =$

7 $7150 \div 10$

8 $\frac{7}{10} - \frac{3}{10} =$

9 Convert $\frac{12}{5}$ into a mixed number.

10 $0.29 + \boxed{} = 1$

11 402.5×10

12 $0.55 + \boxed{} = 1$

13 Convert $\frac{7}{3}$ into a mixed number.

14 Round 1.52 to the nearest whole number.

1 $482,105 + 62,895$

2 $2,832 \div 6$

3 $3,065 \times 25$

4 $9,075 \times 8$

5 Round 175,497 to the nearest hundred.

6 $\frac{4}{12} + \frac{7}{12} =$

7 $35.7 \div 10$

8 $\frac{9}{10} - \frac{5}{10} =$

9 Convert $\frac{23}{5}$ into a mixed number.

10 $0.29 + \boxed{} = 1$

11 7.15×10

12 Round 32.14 to one decimal place.

13 Convert $\frac{23}{10}$ into a mixed number.

14 Round 17.49 to the nearest whole number.

1 $375,127 + 17,809$

2 $5,439 \div 7$

3 $3,118 \times 32$

4 $2,775 \times 6$

5 Round 4.72 to the nearest whole number.

6 $\frac{9}{12} - \frac{3}{12} =$

7 $218 \div 100$

8 $\frac{9}{10} - \frac{3}{10} =$

9 Convert $\frac{51}{5}$ into a mixed number.

10 $0.43 + \boxed{} = 1$

11 2.06×100

12 Round 8.85 to one decimal place.

13 Convert $\frac{317}{100}$ into a mixed number.

14 Round 801.54 to the nearest whole number.

1 $40,219 - 17,609$

2 $6,139 \div 7$

3 $4,005 \times 62$

4 $4,809 \times 6$

5 Round 12.39 to the nearest whole number.

6 $\frac{1}{4} + \frac{1}{2} =$

7 $1250 \div 1000$

8 $\frac{7}{10} - \frac{1}{5} =$

9 $\frac{3}{5} + \frac{4}{5}$ (express answer as a mixed number)

10 $4.73 + \boxed{} = 10$

11 $7.08 \times 1,000$

12 Round 0.44 to one decimal place.

13 Convert $\frac{35}{6}$ into a mixed number.

14 $\frac{5}{8} + \frac{7}{8}$ (express answer as a mixed number)

1 $18,419 - 17,953$

2 $3,845 \div 5$

3 $2,086 \times 72$

4 $6,079 \times 9$

5 Round 105.51 to the nearest whole number.

6 $\frac{1}{8} + \frac{3}{4} =$

7 $6052 \div 1000$

8 $\frac{7}{10} - \frac{3}{5} =$

9 $\frac{8}{9} + \frac{7}{9}$ (express answer as a mixed number)

10 $4.29 + \boxed{} = 10$

11 $10.09 \times 1,000$

12 Round 9.94 to one decimal place.

13 Convert $\frac{32}{5}$ into a mixed number.

14 $\frac{2}{3} + \frac{2}{3}$ (express answer as a mixed number)

1 $42,419 - 17,196$

2 $2,079 \div 9$

3 $1,526 \times 38$

4 $1,583 \times 6$

5 Round 84.29 to the nearest whole number.

6 $\frac{3}{8} + \frac{1}{4} =$

7 $151 \div 1000$

8 $\frac{9}{10} - \frac{1}{5} =$

9 $\frac{5}{9} + \frac{6}{9}$ (express answer as a mixed number)

10 $8.17 + \boxed{} = 10$

11 $4.07 \times 1,000$

12 Round 0.95 to one decimal place.

13 Convert $\frac{51}{5}$ into a mixed number.

14 $\frac{6}{7} + \frac{5}{7}$ (express answer as a mixed number)

1 $32,479 - 28,896$

2 $4,504 \div 8$

3 $2,593 \times 28$

4 $5,583 \times 9$

5 Round 299.59 to the nearest whole number.

6 $\frac{5}{8} + \frac{1}{4} =$

7 $4,060 \div 1000$

8 $\frac{7}{10} - \frac{1}{5} =$

9 $\frac{8}{9} + \frac{8}{9}$ (express answer as a mixed number)

10 $2.97 + \boxed{} = 10$

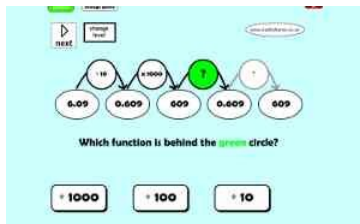
11 $20.08 \times 1,000$

12 Round 153.74 to one decimal place.

13 Convert $\frac{17}{5}$ into a mixed number.

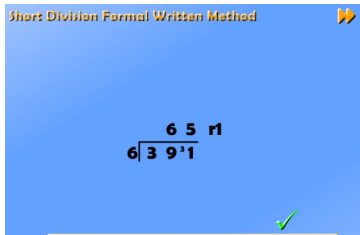
14 $\frac{4}{5} + \frac{3}{5}$ (express answer as a mixed number)

Useful interactive games to teach the skills needed for Year 5 arithmetic :



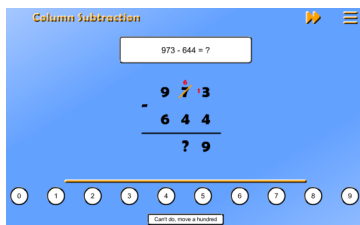
http://mathsframe.co.uk/en/resources/resource/31/multiply_and_divide_by_10_100_and_1000_2

Explore the effect of multiplying and dividing by 10, 100 and 1000.



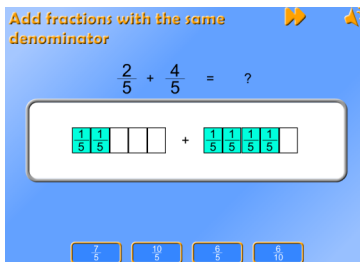
http://mathsframe.co.uk/en/resources/resource/255/Short_Division_Formal_Method

Practise short division



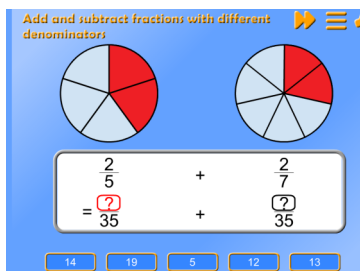
http://mathsframe.co.uk/en/resources/resource/48/column_subtraction

Practise column subtraction



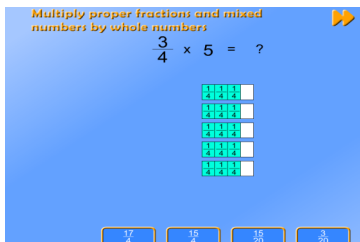
http://mathsframe.co.uk/en/resources/resource/240/Add_Fractions_Same_Denominator

Provides a visual representation to help children understand how to add fractions with the same denominator



http://mathsframe.co.uk/en/resources/resource/239/Add_and_Subtract_Fractions

Add and subtract fractions with different denominators. Helps children to see the need to change the fractions to the same denominator and then add or subtract.



http://mathsframe.co.uk/en/resources/resource/259/Multiply_Fractions

Provides a visual representation to help children how to multiply fractions by a whole number

Sheet 1:

1) 68,084	2) 39,487	3) 2104	4) 1,066	5) 123	6) 825
7) 14,000	8) 13,500	9) 428,132	10) 74,823		

Sheet 2:

1) 24,014	2) 38,763	3) 2,112	4) 1,540	5) 313	6) 1,540
7) 250,000	8) 245,150	9) 786,185	10) 82,723		

Sheet 3:

1) 79,292	2) 641	3) 10,016	4) 103,206	5) 1,802	6) 6,515
7) 400,000	8) 446,000	9) 908,225	10) 19,995		

Sheet 4:

1) 188,615	2) 3,105	3) 28,630	4) 168,466	5) 1,401	6) 26,298
7) 100,000	8) 149,450	9) 93,307	10) 680,029		

Sheet 5:

1) 228,955	2) 1,209	3) 7,800	4) 399,546	5) 1,839	6) 16,902
7) 760,000	8) 7/10	9) 2 1/4	10) 0.18		

Sheet 6:

1) 34,657	2) 361	3) 5,115	4) 667,913	5) 210,000	6) 9/12
7) 715	8) 4/10	9) 2 2/5	10) 0.71	11) 4,025	12) 0.45
13) 2 1/3	14) 2				

Sheet 7:

1) 545,000	2) 472	3) 76,625	4) 72,600	5) 175,500	6) 11/12
7) 3.57	8) 4/10	9) 4 3/5	10) 0.71	11) 71.5	12) 32.1
13) 2 3/10	14) 17				

Sheet 8:

1) 392,936	2) 777	3) 99,776	4) 16,650	5) 5	6) 6/12
7) 2.18	8) 6/10	9) 10 1/5	10) 0.57	11) 206	12) 8.9
13) 3 17/100	14) 802				

Sheet 9:

1) 22,610	2) 877	3) 248,310	4) 28,854	5) 12	6) 3/4
7) 1.25	8) 5/10	9) 1 2/5	10) 5.27	11) 7,080	12) 0
13) 5 5/6	14) 1 4/8				

Sheet 10:

1) 466	2) 769	3) 150,192	4) 54,711	5) 106	6) 7/8
7) 6.052	8) 1/10	9) 1 6/9	10) 5.71	11) 10,090	12) 10
13) 6 2/5	14) 1 1/3				

Sheet 11:

1) 25,223	2) 231	3) 57,988	4) 9,498	5) 84	6) 5/8
7) 0.151	8) 7/10	9) 1 2/9	10) 1.83	11) 4,070	12) 1
13) 10 1/5	14) 1 4/7				