

48 Rapid Arithmetic Activities

Quick activities designed to last up to 10 minutes. Based on the Test Frameworks and arithmetic requirements in the National Curriculum from 2014. Answers included.

Question Codes

3 Year 3 Programme of Study

4 Year 4 Programme of Study

5 Year 5 Programme of Study

6 Year 6 Programme of Study

N Number

C Calculations

F Fractions (including decimals and percentages)

Tip: Press **Ctrl+L** to view pdf full screen.
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Rapid Arithmetic

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$$1 \quad 54 \times 3 =$$

4C: multiply two-digit and three-digit numbers by a one-digit number using formal written layout

$$2 \quad 4.85 - 0.3 =$$

4F: compare numbers with the same number of decimal places up to two decimal places

$$3 \quad 33,600 + 500 =$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$4 \quad 7,487 - 3,294 =$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$5 \quad \frac{2}{3} \times \frac{4}{9} =$$

6F: multiply simple pairs of proper fractions, writing the answer in its simplest form (or equivalent)

$$6 \quad \frac{3}{7} \div 5 =$$

6F: divide proper fractions by whole numbers

$$1 \quad 54 \times 3 = 162$$

4C: multiply two-digit and three-digit numbers by a one-digit number using formal written layout

$$2 \quad 4.85 - 0.3 = 4.55$$

4F: compare numbers with the same number of decimal places up to two decimal places

$$3 \quad 33,600 + 500 = 34,100$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$4 \quad 7,487 - 3,294 = 4,193$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$5 \quad \frac{2}{3} \times \frac{4}{9} = \frac{8}{27}$$

6F: multiply simple pairs of proper fractions, writing the answer in its simplest form (or equivalent)

$$6 \quad \frac{3}{7} \div 5 = \frac{3}{35}$$

6F: divide proper fractions by whole numbers

$$1 \quad 23.28 - 1.19 =$$

4C: add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

$$2 \quad 2,400 \div 8 =$$

5C: multiply and divide numbers mentally drawing upon known facts

$$3 \quad 30\% \text{ of } 250 =$$

6F: solve problems involving the calculation of percentages and the use of percentages for comparison

$$4 \quad \begin{array}{r} 84 \\ \times 34 \\ \hline \end{array}$$

6C: multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

$$5 \quad \begin{array}{r} 473 \\ \times 36 \\ \hline \end{array}$$

6C: multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

$$6 \quad \frac{7}{9} + \frac{1}{3} =$$

6F: add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

$$1 \quad 23.28 - 1.19 = 22.09$$

4C: add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

$$2 \quad 2,400 \div 8 = 300$$

5C: multiply and divide numbers mentally drawing upon known facts

$$3 \quad 30\% \text{ of } 250 = 75$$

6F: solve problems involving the calculation of percentages and the use of percentages for comparison

$$4 \quad \begin{array}{r} 84 \\ \times 34 \\ \hline 2856 \end{array}$$

6C: multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

$$5 \quad \begin{array}{r} 473 \\ \times 36 \\ \hline 17028 \end{array}$$

6C: multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

$$6 \quad \frac{7}{9} + \frac{1}{3} = 1\frac{1}{9}$$

6F: add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

$$1 \quad 7 \times 70 =$$

3C: write and calculate mathematical statements for multiplication and division using the multiplication tables that pupils know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

$$2 \quad \frac{11}{12} - \frac{5}{12} =$$

3F: add and subtract fractions with the same denominator within one whole

$$3 \quad 110 \div 10 =$$

5C: multiply and divide numbers mentally drawing upon known facts

$$4 \quad 0.746 - 0.556 =$$

4C: add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

$$5 \quad 13,748 - 7,736 =$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$6 \quad 19 \overline{)2508} =$$

6C: divide numbers up to 4 digits by a two digit whole number using the formal written method of long division

$$1 \quad 7 \times 70 = 490$$

3C: write and calculate mathematical statements for multiplication and division using the multiplication tables that pupils know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

$$2 \quad \frac{11}{12} - \frac{5}{12} = \frac{6}{12} \text{ or } \frac{1}{2}$$

3F: add and subtract fractions with the same denominator within one whole

$$3 \quad 110 \div 10 = 11$$

5C: multiply and divide numbers mentally drawing upon known facts

$$4 \quad 0.746 - 0.556 = 0.19$$

4C: add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

$$5 \quad 13,748 - 7,736 = 6,012$$

5C: add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

$$6 \quad 19 \overline{)2508} = 132$$

6C: divide numbers up to 4 digits by a two digit whole number using the formal written method of long division