Upper Key Stage 2

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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Upper Key Stage 2

Rapid Arithmetic

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1 **54 x 3 =**

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

2 **4.85 – 0.3 =**

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

3 **33,600 + 500 =**

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

4 **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 $\frac{2}{3} \times \frac{4}{9} =$

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

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

6F: divide proper fractions by whole numbers

1 **54 x 3 = 162**

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

2 **4.85 – 0.3 = 4.55**

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

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

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

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

6F: divide proper fractions by whole numbers

1 **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 **2,400 ÷ 8 =**

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

3 **30% of 250 =**

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

4

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

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

5

$$\begin{array}{r} 573 \\ \times\ 36 \\ \hline \end{array}$$

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

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

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

1 **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 **2,400 ÷ 8 = 300**

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

3 **30% of 250 = 75**

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

4

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

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

5

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

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

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

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

1 $7 \times 70 =$

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

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

3 $110 \div 10 =$

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

4 $0.746 - 0.556 =$

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

5 $13{,}748 - 7{,}736 =$

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

6 $19\overline{)2508} =$

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

1 $7 \times 70 = 630$

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

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

3 $110 \div 10 = 11$

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

4 $0.746 - 0.556 = 0.19$

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

5 $13{,}748 - 7{,}736 = 6{,}012$

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

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

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

