Rapid Arithmetic

Set A

1. Write the next three numbers: 11,000; 21,000
2. Complete using < > or =.

   4,654,246 ☐ 5,932,753
3. 763 + 235
4. Use rounding to estimate: 428 + 574
5. Write all factors of 64.
6. $2\frac{5}{16} = \frac{\square}{16}$

Set B

1. Write the next three numbers: 99,000; 89,000
2. Complete using < > or =.

   7,372,835 ☐ 7,373,835
3. 624 + 573
4. Use rounding to estimate: 743 cm + 356 cm
5. Write the common factors of 20 and 30.
6. $\frac{5}{11} + \frac{8}{11} = \frac{\square}{11}$

Set C

1. Write the next three numbers: 45,158; 35,158
2. Order from smallest to largest: 5,831,624; 5,201,621; 6,103,732
3. 984 + 136
4. Use rounding to estimate: £62.13 + £34.85
5. Write the common factors of 12, 36 and 60.
6. $3\frac{3}{5} + \frac{\square}{5} = 5\frac{1}{5}$

Rapid Arithmetic

Set A

1. Write the next three numbers: 11,000; 21,000
   31,000; 41,000; 51,000

2. Complete using < > or =.
   4,654,246 [<] 5,932,753

3. 763 + 235 = 998

4. Use rounding to estimate:
   428 + 574
   430 + 570 = 1,000

5. Write all factors of 64.
   1, 2, 4, 8, 16, 32, 64

6. $2\frac{5}{16} = \frac{37}{16}$

Set B

1. Write the next three numbers: 99,000; 89,000
   77,000; 67,000; 57,000

2. Complete using < > or =.
   7,372,835 [<] 7,373,835

3. 624 + 573 = 1,197

4. Use rounding to estimate:
   743 cm + 356 cm
   740 cm + 360 cm = 1,100 cm

5. Write the common factors of 20 and 30.
   1, 2, 5, 10

6. $\frac{5}{11} + \frac{8}{11} = 1\frac{2}{11}$

Set C

1. Write the next three numbers: 45,158; 35,158
   25,158; 15,158; 5,158

2. Order from smallest to largest:
   5,201,621 5,831,624 6,103,732

3. 984 + 136 = 1,120

4. Use rounding to estimate:
   £62.13 + £34.85
   £62 + £35 = £97

5. Write the common factors of 12, 36 and 60.
   1, 2, 3, 4, 6, 12

6. $3\frac{3}{5} + 1\frac{3}{5} = 5\frac{1}{5}$

Rapid Arithmetic

Set A

1. Write the value of the underlined digit: 15,<u>3</u>62
2. What is the value of this Roman numeral? LVIII
3. 6,342 + 537
4. $6^2 =$
5. 9,369 ÷ 3
6. Use < > or = to compare: $\frac{9}{10} \square \frac{4}{5}$

Set B

1. Write the value of the underlined digit: 58<u>2</u>,603
2. What is the value of this Roman numeral? DCCXXIX
3. 3,814 + 367
4. $7^2 - \square^2 = 33$
5. 9,272 ÷ 4
6. Use < > or = to compare: $\frac{17}{24} \square \frac{3}{4}$

Set C

1. Write a six-digit number where a 4 has a value or 40,000.
2. Write 617 in Roman numerals.
3. $6{,}346 + \square = 6{,}814$
4. $73 = \square^2 + \square^2$
5. $7{,}523 \div 6 = \square \text{ r } \square$
6. Order from smallest to largest: $\frac{3}{4}$ $\frac{7}{20}$ $\frac{4}{5}$

Rapid Arithmetic

Set A

1. Write the value of the underlined digit: 15,<u>3</u>62 300
2. What is the value of this Roman numeral? LVIII 58
3. 6,342 + 537 = 6,879
4. $6^2 = 36$
5. 9,369 ÷ 3 = 3,123
6. Use < > or = to compare: $\frac{9}{10}$ [>] $\frac{4}{5}$

Set B

1. Write the value of the underlined digit: 58<u>2</u>,603 2,000
2. What is the value of this Roman numeral? DCCXXIX 729
3. 3,814 + 367 = 4,181
4. $7^2 - [4]^2 = 33$
5. 9,272 ÷ 4 = 2,318
6. Use < > or = to compare: $\frac{17}{24}$ [<] $\frac{3}{4}$

Set C

1. Write a six-digit number where a 4 has a value or 40,000. 649,520*
2. Write 617 in Roman numerals. DCXVII
3. 6,346 + [468] = 6,814
4. $73 = [3]^2 + [8]^2$
5. 7,523 ÷ 6 = [1,253] r [5]
6. Order from smallest to largest: $\frac{7}{20}$ $\frac{3}{4}$ $\frac{4}{5}$

*Various answers, one example given.

Rapid Arithmetic

Set A

1. Round 624,702 to the nearest 10,000.
2. 9 fewer than 6
3. $2^3 \times 5^3$
4. 873 ÷ 10
5. 734 x 6
6. How many 2p coins make up 86p?

Set B

1. Round 429,652 to the nearest 10,000.
2. 8 more than -3
3. $8 \times \square = \square^3$ (the cube is 4)
4. 472 ÷ 100
5. 581 x 45
6. Ben saves £2 a day for 4 weeks. How much has he saved?

Set C

1. $\square$ rounded to the nearest 1,000 is 57,000.
2. 15 fewer than -12
3. $\square \times \square = \square^3$ (the cube is 6)
4. 16.59 ÷ 10
5. 6,362 x 28
6. How can £2.56 be made up of 10p and 2p coins?

Rapid Arithmetic

Set A

1. Round 624,702 to the nearest 10,000. 620,000
2. 9 fewer than 6 = -3
3. $2^3 \times 5^3$ = 1,000
4. 873 ÷ 10 = 87.3
5. 734 x 6 = 4,404
6. How many 2p coins make up 86p? 43 coins

Set B

1. Round 429,652 to the nearest 10,000. 430,000
2. 8 more than -3 = 5
3. 8 x [8] = [4]^3
4. 472 ÷ 100 = 4.72
5. 581 x 45 = 26,145
6. Ben saves £2 a day for 4 weeks. How much has he saved? £56

Set C

1. [56,802*] rounded to the nearest 1,000 is 57,000.
2. 15 fewer than -12 = -27
3. [12] x [18]* = [6]^3
4. 16.59 ÷ 10 = 1.659
5. 6,362 x 28 = 178,136
6. How can £2.56 be made up of 10p and 2p coins? 21 10p coins and 23 2p coins*

*Various answers, one example given.