

# Rapid Arithmetic

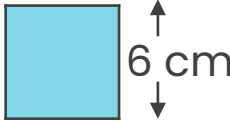
## Set A

1.  $\begin{array}{c} \downarrow \\ \hline 819,619 \qquad \qquad \qquad 839,619 \end{array}$

2. What is 600 in Roman numerals?

3.  $24,300 + 21,100$

4. From a full 1 L jug, I pour two 340 ml drinks. How much is left?

5. Area =  cm<sup>2</sup>    
Not to scale

6.  $6\frac{3}{5} = \frac{\text{input}}{5}$

## Set B

1.  $\begin{array}{c} \downarrow \\ \hline 461,107 \qquad \qquad \qquad 501,107 \end{array}$

2. Answer in Roman numerals:  
 $250 \times 3$

3.  $43,000 + 17,900$

4. I poured out half a 1 L jug. 380 ml is in my cup. How much did I spill?

5. The side of a square measures 4 cm. What is the area?

6.  $6\frac{3}{9} = \frac{\text{input}}{3}$

## Set C

1.  $\begin{array}{c} \downarrow \\ \hline 304,019 \qquad \qquad \qquad 524,019 \end{array}$

2. Answer in Roman numerals:  
CCCL + CDL

3.  + 12,500 = 25,006

4. A 2,000 L pool was  $\frac{1}{4}$  full, but 40 L splashed out. How much water is left?

5. A square's area is 144 cm<sup>2</sup>. What is the length of one side?

6.  $4\frac{8}{11} + 3\frac{7}{11} = \frac{\text{input}}{\text{input}}$

# Rapid Arithmetic

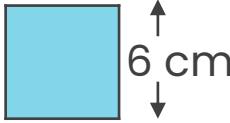
## Set A

1.  $819,619$     $829,619$     $839,619$

2. What is 600 in Roman numerals? **DC**

3.  $24,300 + 21,100 = 45,400$

4. From a full 1 L jug, I pour two 340 ml drinks. How much is left? **320 ml**

5. Area =  $\boxed{36}$  cm<sup>2</sup>  **6 cm**  
*Not to scale*

6.  $6\frac{3}{5} = \frac{\boxed{33}}{5}$

## Set B

1.  $461,107$     $481,107$     $501,107$

2. Answer in Roman numerals:  
 $250 \times 3 = \text{DCCL}$

3.  $43,000 + 17,900 = 60,900$

4. I poured out half a 1 L jug. 380 ml is in my cup. How much did I spill? **120 ml**

5. The side of a square measures 4 cm. What is the area? **16 cm<sup>2</sup>**

6.  $6\frac{3}{9} = \frac{\boxed{19}}{3}$

## Set C

1.  $304,019$     $414,019$     $524,019$

2. Answer in Roman numerals:  
 $\text{CCCL} + \text{CDL} = \text{DCCC}$

3.  $\boxed{12,506} + 12,500 = 25,006$

4. A 2,000 L pool was  $\frac{1}{4}$  full, but 40 L splashed out. How much water is left? **460 L**

5. A square's area is 144 cm<sup>2</sup>. What is the length of one side? **12 cm**

6.  $4\frac{8}{11} + 3\frac{7}{11} = \frac{\boxed{92}}{\boxed{11}}$

# Rapid Arithmetic

## Set A

- Write nine hundred thousand and fifteen in numerals.
1. thousand and fifteen in numerals.
  2.  $814,605 - 512,704$
  3. List all the factors of 16.
  4.  $41,000 \div 1,000$
  5.  $449 \div 4$
  6. Compare using  $<$ ,  $>$  or  $=$ :  
 $\frac{3}{4} \square \frac{5}{8}$

## Set B

1. Write 612,400 in words.
  2.  $571,382 - 92,271$
  3. List all the common factors of 15 and 24.
  4.  $630 \div 1,000$
- 8 beads fit in a tub. How many tubs can 452 beads fill?
- Compare using  $<$ ,  $>$  or  $=$ :
6.  $\frac{2}{3} \square \frac{3}{6} \square \frac{4}{9}$

## Set C

1. Write the answer in words:  $100,000 - 9,999$
  2.  $308,094 - 89,136$
- List all the common factors of 12, 20 and 30.
3. List all the common factors of 12, 20 and 30.
  4.  $\square \div 1,000 = 0.505$
- An alarm beeps every 9 minutes. How many beeps in 4 hours?
- Compare using  $<$ ,  $>$  or  $=$ :
6.  $\frac{5}{12} \square \frac{1}{2} \square \frac{8}{16} \square \frac{6}{8}$

# Rapid Arithmetic

## Set A

- Write nine hundred thousand and fifteen in numerals. **900,015**
1. thousand and fifteen in numerals. **900,015**
  2.  $814,605 - 512,704 = 301,901$
  3. List all the factors of 16.  
**1, 2, 4, 8 and 16**
  4.  $41,000 \div 1,000 = 41$
  5.  $449 \div 4 = 112 \text{ r}1$
  6. Compare using  $<$ ,  $>$  or  $=$ :  
 $\frac{3}{4} \boxed{>} \frac{5}{8}$

## Set B

- Write 612,400 in words. **Six hundred and twelve thousand, four hundred**
1. **Six hundred and twelve thousand, four hundred**
  2.  $571,382 - 92,271 = 479,111$
  3. List all the common factors of 15 and 24.  
**1 and 3**
  4.  $630 \div 1,000 = 0.63$
  5. 8 beads fit in a tub. How many tubs can 452 beads fill? **56**
  6. Compare using  $<$ ,  $>$  or  $=$ :  
 $\frac{2}{3} \boxed{>} \frac{3}{6} \boxed{>} \frac{4}{9}$

## Set C

- Write the answer in words:  $100,000 - 9,999$   
**Ninety thousand and one**
1. words:  $100,000 - 9,999$   
**Ninety thousand and one**
  2.  $308,094 - 89,136 = 218,958$
  3. List all the common factors of 12, 20 and 30.  
**1 and 2**
  4.  $\boxed{505} \div 1,000 = 0.505$
  5. An alarm beeps every 9 minutes. How many beeps in 4 hours? **26**
  6. Compare using  $<$ ,  $>$  or  $=$ :  
 $\frac{5}{12} \boxed{<} \frac{1}{2} \boxed{=} \frac{8}{16} \boxed{<} \frac{6}{8}$

# Rapid Arithmetic

## Set A

1.  $65 \div 13 + 10$

2. 10, 5, , -5, , -15

3. Estimate by rounding to the nearest 1,000:  
 $84,791 + 59,291$

4. What is the smallest prime number  $> 13$ ?

5.  $325 \times 3$

6. 4 cupcakes need 172 g of butter. How much butter is needed for 1?

## Set B

1.   $\times 20 + 12 = 172$

2. What is 7 less than  $-8$ ?

3. Estimate by rounding to the nearest 100:  
 $90,871 + 171,399$

4. List all the prime numbers between 20 and 40.

5.  $612 \times 8$

6. 15 pancakes need 180 g of sugar. How much sugar is needed for 20 pancakes?

## Set C

1.   $\div 7 +$    $= 147$

2. What is  $12^{\circ}\text{C}$  cooler than  $3^{\circ}\text{C}$ ?

3. Estimate by rounding to the nearest 1,000:  
 $989,933 - 912,141$

4. List all prime numbers,  $< 100$ , with the digit 9.

5.  $284 \times 8$

6. If a recipe for 6 people needs 450 ml of water, how many people is 675 ml for?

# Rapid Arithmetic

## Set A

1.  $65 \div 13 + 10 = 15$

2. 10, 5,  $\boxed{0}$ , -5,  $\boxed{-10}$ , -15

3. Estimate by rounding to the nearest 1,000:  
 $84,791 + 59,291 = 144,000$

4. What is the smallest prime number  $> 13$ ?  $17$

5.  $325 \times 3 = 975$

6. 4 cupcakes need 172 g of butter. How much butter is needed for 1?  $43 \text{ g}$

## Set B

1.  $\boxed{8} \times 20 + 12 = 172$

2. What is 7 less than -8?  
 $-15$

3. Estimate by rounding to the nearest 100:  
 $90,871 + 171,399 = 262,300$

4. List all the prime numbers between 20 and 40.  $23, 29, 31, 37$

5.  $612 \times 8 = 4,896$

6. 15 pancakes need 180 g of sugar. How much sugar is needed for 20 pancakes?  $240 \text{ g}$

## Set C

1.  $\boxed{777}^* \div 7 + \boxed{36}^* = 147$

2. What is  $12^\circ\text{C}$  cooler than  $3^\circ\text{C}$ ?  $-9^\circ\text{C}$

3. Estimate by rounding to the nearest 1,000:  
 $989,933 - 912,141 = 78,000$

4. List all prime numbers,  $< 100$ , with the digit 9.  $19, 29, 59, 79, 89, 97$

5.  $284 \times 8 = 2,272$

6. If a recipe for 6 people needs 450 ml of water, how many people is 675 ml for?  $9$

\*Various answers, one example given.