

Test B

Unit 2: More Calculations with Whole Numbers

Chapter 1: Calculations with Parentheses

Circle the correct option, **A**, **B**, **C** or **D**.

1. Which of the following has the greatest value?

A $4 + 7 \times 6$

C $(4 + 7) \times 6$

B $4 \times 7 + 6$

D $4 \times (7 + 6)$

2. In $64 \div 8 + (12 - 5) \times 8$, what is the first operation?

A $64 \div 8$

C $8 + 12$

B $(12 - 5)$

D 5×8

3. Solve $97 - 25 + 4 \times 3$.

A 10

C 84

B 60

D 228

4. Where should the missing parentheses be placed to make the equation true?

$72 \div 6 + 2 \times 3 = 27$

A $72 \div (6 + 2) \times 3$

C $72 \div 6 + (2 \times 3)$

B $(72 \div 6) + 2 \times 3$

D $(72 \div 6 + 2) \times 3$

5. Which of the following gives the same answer as $(6 + 9) \times 5$?

A $6 + (9 \times 5)$

C $(6 \times 5) + (9 \times 5)$

B $(6 \times 5) + 9$

D $(6 + 5) \times (9 + 5)$

9. Grace thought that a plane journey would take $\frac{7}{10}$ h but the actual journey took $\frac{1}{5}$ h longer. How long did the actual journey take?

A $\frac{1}{2}$ h

C $\frac{9}{10}$ h

B $\frac{8}{15}$ h

D $1\frac{1}{5}$ h

10. Timothy took $\frac{2}{3}$ h to paint a portrait. This was $\frac{1}{2}$ h shorter than the time he took to paint scenery. How long did he take to paint scenery?

A $\frac{1}{6}$ h

C 1 h

B $\frac{3}{5}$ h

D $1\frac{1}{6}$ h

11. Ignatius took $1\frac{1}{2}$ h to complete his Geography homework and $\frac{3}{5}$ h less to complete his Math homework. How long did he take to complete his Math homework?

A $\frac{1}{10}$ h

C $1\frac{4}{5}$ h

B $\frac{9}{10}$ h

D $2\frac{1}{10}$ h

12. Steve ate $\frac{2}{7}$ of a cake and Kelvin ate $\frac{1}{3}$ of the same cake.

What fraction of the cake was left?

A $\frac{1}{21}$

C $\frac{13}{21}$

B $\frac{8}{21}$

D $1\frac{13}{21}$

Cumulative Test A Units 1–4

- Find the value of $636 - 299$. _____
- Estimate the value of $377,298 \times 91$. _____
- The greatest common factor of 48 and 64 is _____.
- Express 58 as a product of prime factors using exponents.

- Find the value of $16 \div (26 - 18) \times 4 - 3 + 6$. _____
- Write the missing fractions in the boxes.

(a) $\frac{2}{3} \times \frac{\square}{\square} = 1$

(b) $1 \div \frac{\square}{\square} = 1\frac{1}{3}$

7. Fill in each \bigcirc with $>$, $<$ or $=$.

$\frac{3}{8} \bigcirc 1\frac{1}{3} + \frac{2}{5} \bigcirc \frac{8}{9} - \frac{2}{3}$