Gr. 5-6

Name: _____ Date: _____

Test A

70 min

80

Score

Continual Assessment 2

Section A (2 points each)
Circle the correct option: **A**, **B**, **C**, or **D**.

1. What is the missing number?
   700,506 = [?] + 500 + 6

   A 700 **B** 7,000

   C 70,000 **D** 700,000

2. In 8,439,765, the digit 4 is in the _____ place.

   A thousands **B** ten thousands

   C hundred thousands **D** millions

3. Which of the following is a composite number?

   A 7 **B** 11

   C 22 **D** 23

4. 5 lamps and a fan cost $330 altogether. If the fan costs $80, what is the cost of each lamp?

A $25 **B** $50

C $175 **D** $250

5. What is the prime factorization of 108?

A $3 \times 3 \times 3 \times 4$ **B** $2 \times 2 \times 2 \times 3 \times 3$

C $2 \times 2 \times 3 \times 3$ **D** $3 \times 3 \times 4 \times 4$

6. Calculate $15 + 30 \div (15 - 9) \times 4$.

A 80 **B** 35

C 69 **D** 21

7. Which one of the following is an equivalent fraction of $\frac{3}{7}$?

A $\frac{3}{8}$ **B** $\frac{6}{7}$ **C** $\frac{15}{35}$ **D** $\frac{6}{12}$

8. What is the value of $2\frac{5}{12} + 3\frac{1}{4}$ expressed as a mixed number in its simplest form?

A $5\frac{6}{12}$ **B** $5\frac{9}{12}$ **C** $5\frac{2}{3}$ **D** $5\frac{8}{12}$

9. In $\frac{3}{21} = \frac{4}{\Delta}$, what does Δ stand for?

A 28 **B** 12

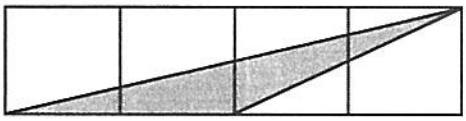
C 7 **D** 84

10. Winnie had $\frac{1}{5}$ of her savings left after spending \$200. What was her savings to start with?

A \$800 **B** \$250

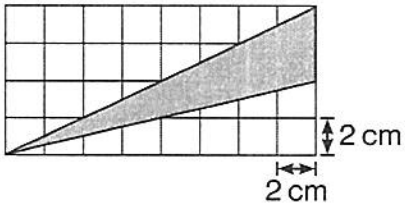
C \$1,000 **D** \$50

11. The figure below is made up of 4 identical squares. Express the shaded triangle as a fraction of the figure.



A $\frac{1}{4}$ **B** $\frac{3}{8}$ **C** $\frac{5}{12}$ **D** $\frac{3}{4}$

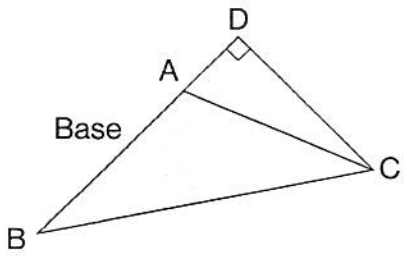
12. What is the area of the shaded part?



A 32 cm^2 **B** 24 cm^2

C 16 cm^2 **D** 8 cm^2

13. If AB is the base of the shaded triangle below, which of the following is its height?



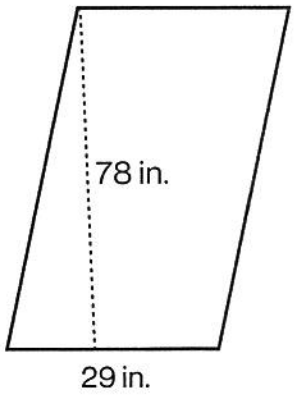
A AC

B BC

C DA

D DC

14. What is the area of the parallelogram?



A 2,192 $in.^2$

B 2,162 $in.^2$

C 858 $in.^2$

D 2,262 $in.^2$

15. The ratio of the sides of a triangle is 4 : 3 : 2. The perimeter of the triangle is 36 cm. What is the length of the longest side?

A 16 cm

B 12 cm

C 8 cm

D 4 cm

Section B (2 points each)

16. Write three million, thirty-five thousand, two hundred fifty in numerals.

17. Write the missing number.

88,345,087 = 80,000,000 + 8,000,000 + 40,000 + ☐ + 80 + 7

18. Find the value of 6 to the third power.

19. Write the missing number.

$60 \times 1{,}500 = 15 \times$ ☐ $\times 2$

20. A sum of \$67,436 was raised for a new playground. Round this amount of money to the nearest \$1,000.

☐

21. Round each number to the nearest hundred and estimate the value of $4{,}957 \times 336$.

☐

22. Cross out (×) the numbers that are **not** multiples of 6.

6	10	12	16	20	24

23. Write the missing number.

$35 - 5 \times (42 \div 7) =$ _____ $\div 100$

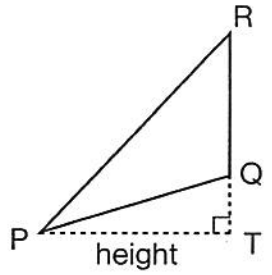
24. Fill in the blank with the correct number.

$\frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} =$ _____ $\times \frac{4}{7}$

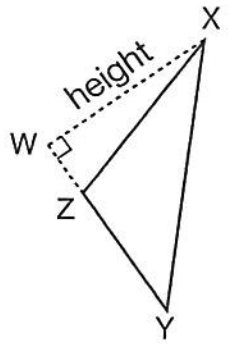
25. The area of a rectangular hall is 1,260 m^2. Its width is 37 m. What is the perimeter of the hall? Give your answer in its simplest form.

26. Name the base related to the given height in each triangle.

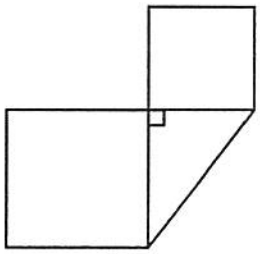
a)



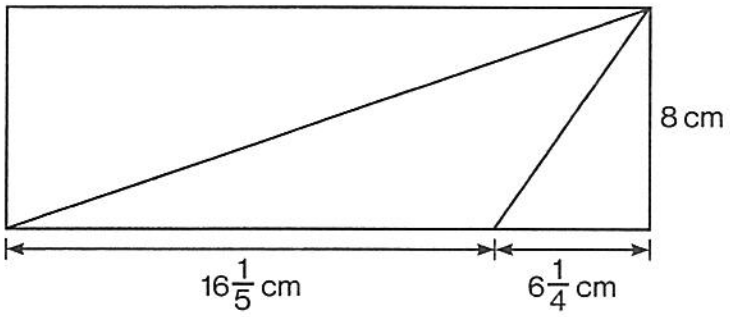
b)



27. The figure below is formed by two squares and a right triangle. The areas of the two squares are 144 cm^2 and 169 cm^2 respectively. What is the area of the triangle?



28. In the rectangle below, what is the area of the shaded triangle? Give your answer in its simplest form.



29. Write the missing number.

$\square : 12 = 36 : 54$

30. The ratio of the length to the width of a rectangle is 3 : 1. The length of the rectangle is 12 cm. What is its perimeter?

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Test B

70 min 

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Score

Continual Assessment 2

Section A (2 points each)
Circle the correct option: **A**, **B**, **C**, or **D**.

1. What is the missing number?

$18 \times \boxed{?} + 500 + 70 = 180{,}570$

A 1,000 **B** 10,000

C 100,000 **D** 10

2. What is the value of $24 \times 100{,}000 + 8 \times 1{,}000 + 5 \times 100 + 3 \times 10$?

A 24, 853 **B** 240,853

C 248,530 **D** 2,408,530

3. The price of a computer is $2,188. Round the price to the nearest thousand dollars and estimate the cost of 9 such computers.

A $19,800 **B** $19,692

C $18,000 **D** $20,000

4. A number gives the same answer when rounded to the nearest ten, hundred, or thousand. Which of the following can be that number?

A 2,988 **B** 2,990

C 2,998 **D** 2,899

5. What is the sum of the smallest prime number and the smallest composite number?

A 3 **B** 11

C 6 **D** 8

6. Abdullah has 128 toy cars. He packs all of them into boxes which hold up to 13 toy cars each. Which of the following cannot be the total number of boxes he used?

A 8 **B** 10

C 15 **D** 20

7. Adelina earns $400 in 8 days. How many days will it take her to earn $6,000?

A 120 **B** 50

C 12 **D** 5

8. What is the value of $25 + 60 \div (30 - 25) \times 2$?

A 49 **B** 37

C 34 **D** 4

9. At a farmer's market, 147 balloons were distributed among the children that visited that day. Each child received 4 balloons and 3 balloons were left over. How many children visited the farmer's market that day?

A 36 **B** 37

C 39 **D** 40

10. Which of the following has the same value as $\frac{3}{8} \div 12$?

A $\frac{3}{8} \times 4$ **B** $\frac{1}{8} \times 4$ **C** $\frac{3}{8} \div 4$ **D** $\frac{1}{8} \div 4$

11. What is the fraction exactly halfway between $\frac{1}{5}$ and $\frac{4}{5}$?

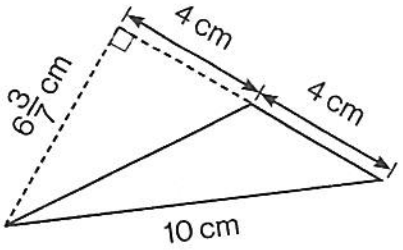
A $\frac{1}{2}$ **B** $\frac{3}{5}$ **C** $\frac{2}{5}$ **D** $\frac{1}{4}$

12. After Mikoda spent \$60 on a pair of shoes and $\frac{3}{5}$ of the remainder of his money on a T-shirt, he had \$44 left. How much money did he have at first?

A \$210 **B** \$170

C \$110 **D** \$50

13. What is the area of the triangle below?



A $12\frac{6}{7}$ cm^2

B $25\frac{5}{7}$ cm^2

C $32\frac{1}{7}$ cm^2

D 40 cm^2

14. Kini and Evelyn shared \$96. Kini received \$16 more than Evelyn. What was the ratio of Evelyn's share to Kini's share?

A 5 : 2

B 7 : 5

C 5 : 12

D 5 : 7

15. A basket containing a dozen eggs is dropped from a height. Which one of the following **cannot** be the ratio of the number of broken eggs to those not broken?

A 4 : 3

B 2 : 1

C 1 : 5

D 5 : 7

Section B (2 points each)

16. Write 180,350,123 in expanded form.

17. 999,900 is ☐ less than 1 million.

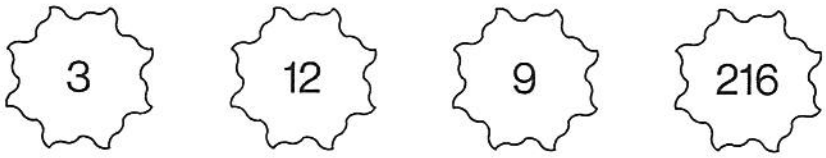
18. In 8,790,436,

the digit 8 is in the _____ place,

the value of the digit 9 is _____, and

the digit _____ is in the thousands place.

19. What is the smallest number that can be divided evenly by 3, 6 and 12? Circle it.



20. What is the greatest common factor of 30 and 50?

21. Fill in the blank with >, < or =.

5^3 ____ 3^5

22. Show the prime factorization of 800 using exponents.

23. When a number is divided by 73, the quotient is 46 and the remainder is 20. What is the number?

24. Find the value of $33 - (3 + 4) \times 3 - 10 \div 5$.

25. A bucket was $\frac{2}{3}$ full. When 760 ml of water was poured out, it was $\frac{1}{4}$ full of water. What was the capacity of the bucket?

26. All the lines in the following figure meet at right angles. Find the unknown marked length.