

## Year 5 Term 2 Test

<b>Student Name:</b> _____	<b>Grade:</b> _____
<b>Date:</b> _____	<b>Score:</b> _____

- Answer the questions in the spaces provided on the question sheets.
- If you run out of room for an answer, continue on the back of the page.
- This test has 0 questions, for a total of 0 marks.
- Do not use a calculator.
- Attempt all 0 questions.
- Time allowed: 60 minutes.

Run L<sup>A</sup>T<sub>E</sub>X again to produce the table

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Camera ready copy was prepared with the L<sup>A</sup>T<sub>E</sub>X<sup>2</sup><sub>ε</sub> typesetting system.

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## 2 Year 5 Term 2 Test

### 2.1 Part A — 10 Multiple Choice Questions (1 mark each)

- The value of 5 in the hundred thousands place is \_\_\_\_\_ times the value of 5 in the tens place.  
(A) 10                      (B) 100                      (C) 1000                      (D) 10000
- 500 less than half a million is \_\_\_\_\_ .  
(A) 499500                      (B) 500500                      (C) 999500                      (D) 490500
- Find the product of  $1234 \times 15$ .  
(A) 18510                      (B) 16510                      (C) 18420                      (D) 18500
- How many  $\frac{1}{3}$  are in  $5\frac{2}{6}$ ?  
(A) 6                      (B) 12                      (C) 8                      (D) 16
- David had \$160. He bought a watch for \$70 and two pair of socks at \$10 each pair. What fraction of the money did he have left?  
(A)  $\frac{9}{19}$                       (B)  $\frac{9}{16}$                       (C)  $\frac{7}{16}$                       (D)  $\frac{8}{21}$
- William and Jane shared \$172. Jane received \$28 more than William. Find the ratio of William's share to Jane's share.  
(A) 25:18                      (B) 18:25                      (C) 9:11                      (D) 13:8
- Express 82 ml as a decimal of 4 litres.  
(A) 0.041                      (B) 0.0205                      (C) 0.082                      (D) 4.82
- Express 1.28 as an improper fraction and reduce the answer to its simplest form.  
(A)  $1\frac{28}{100}$                       (B)  $\frac{25}{32}$                       (C)  $\frac{100}{28}$                       (D)  $\frac{32}{25}$
- Express  $\frac{8}{12}$  as a percentage.  
(A)  $66\frac{2}{3}\%$                       (B)  $\frac{72}{100}\%$                       (C)  $6\frac{2}{3}\%$                       (D)  $\frac{8}{12}\%$
- The perimeter of a square tile is 164 cm. Find its area.  
(A)  $1681 \text{ cm}^2$                       (B)  $196 \text{ cm}^2$                       (C)  $368 \text{ cm}^2$                       (D)  $961 \text{ cm}^2$

**2.2 Part B — 10 Average Questions (2 marks each)**

1. The sum of two numbers is 15. The larger number is four times the smaller number. What are the numbers?

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2. Express  $3\frac{2}{3}$  years in months.

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3. Jessica bought 25.6 m of cloth. She used  $\frac{1}{4}$  of it to make a dress and another 3.2 m to make a blouse. How much cloth did she have left?

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4. How many 3 cm cubes can be put in a rectangular box that measures 24 cm by 18 cm by 12 cm?

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5. 9 boys spent \$819. If each of them spent the same amount of money, how much did 5 of them spend?

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6. Find the remainder when 4567 is divided by 24.

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7. How many fifths are there in  $19\frac{8}{10}$ ?

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8. The height of a triangle is 12 cm. Its base is  $6\frac{1}{2}$  cm. What is its area?

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9.  $\frac{7}{12}$  of a revolution is equal to \_\_\_\_\_ degrees.

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10. 2.8 kg of chocolate cookies cost \$10.60. If Linda bought 7 kg of the cookies, how much must she pay?

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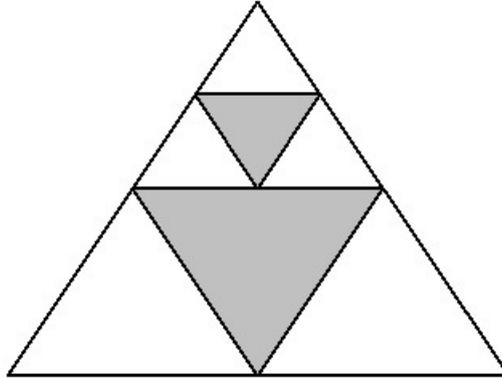
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**2.3 Part C — 10 Extension Questions (3 marks each)**

1. What fraction of the whole figure is unshaded?



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2. Ben earns \$1350 each week. He spent 18% of it on transport and 30% of it on food. How much did he have left if he also gave \$400 to his wife?

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3. Find the value of  $12\frac{1}{2} - 3\frac{2}{3} + 1\frac{3}{8}$ . (Give your answer in its simplest form)

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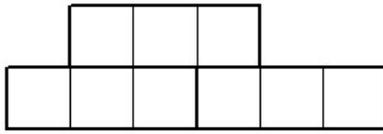
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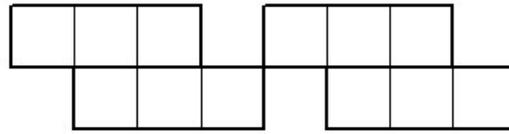
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4. Find the surface area of the figure shown below:



A



B

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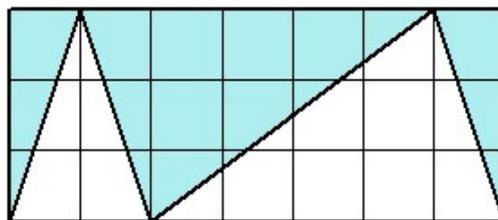


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5. Find the volume of the figure shown below:




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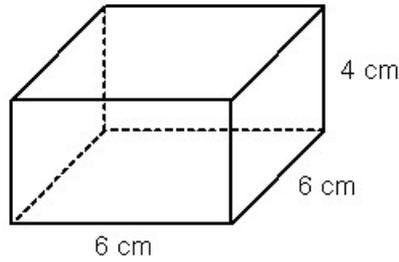


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6. A cube of side  $\frac{4}{25}$  m was constructed out of clay and then moulded into a rectangle prism with length 32 cm and breadth 16 cm. What is the height of the rectangular prism?




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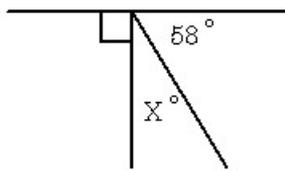


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7. The dimension of a water tank is 5m by 3m by 2m. The tank is half full and 1.8 kL of water is added. What is the depth of the water in the tank?




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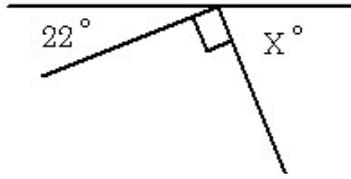


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8. A rectangle is divided into two parts, A and B. For A and B to have equal areas, what is the length of X?




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9. A rectangular prism is made up of 90 cubes of side 2 cm. What is the height of the prism if the sum of the length and breadth is 18 cm?

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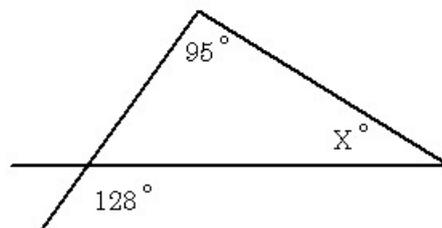


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10. What fraction of the whole figure is shaded?




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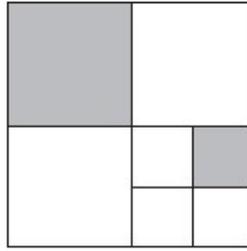
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**2.4 Part D — 8 Challenging Questions (5 marks each)**

1. For the given diagram below:



(a) What part of the square is shaded?

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(b) What part is not shaded?

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(c) What area is shaded if the area of the square is  $64 \text{ cm}^2$ ?

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2. Steven wants to fence his pool with dimensions of 8 m by 12 m. He wants the fence to be 2.5 m from the edge of the pool on all sides. How many metres of fencing will he need?

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3. Find the sum of:  $3 + 6 + 9 + \dots + 54 + 57 + 60$ .

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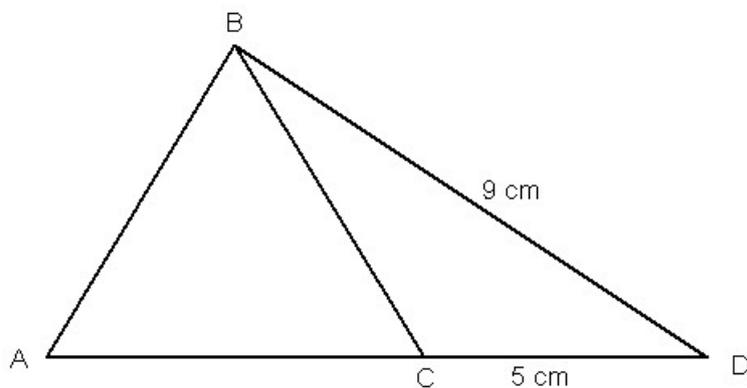


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4. In the figure shown below, ABC is an equilateral triangle. The perimeter of triangle BCD is 20 cm. Express the perimeter of triangle ABC as a fraction of the perimeter of triangle ABD in its lowest terms.




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5. Ray is 0.6 as old as Kevin. Kevin is 0.4 as old as Michael. If Ray is 12 years old, find the combined age of the three.

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6. 140 sweets are shared among 4 children in the ratio 2:3:4:5. Find the difference of the number of sweets between the greatest and the smallest shares.

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7. Tony had a 12 noon appointment that was 60 km from his home. He drove from his place at an average rate of 50 km/h and arrived 12 minutes late. At what time did Tony leave home for the appointment?

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8. Adam wants to purchase a computer game but is \$32 short. Bob wants to purchase the same game but is \$23 short. If they combine their money, they have just enough to buy the game. What is the cost of the game?

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