

## Year 4 Term 3 Homework

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

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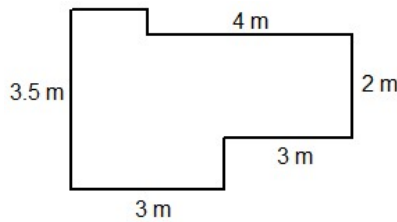
## 2 Year 4 Term 3 Week 2 Homework

### 2.1 Practice Exam Questions — Measurements

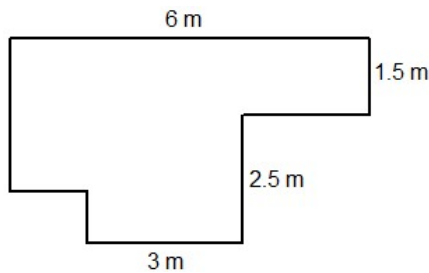
1. The length of a square is 1.24 m. What is the perimeter of the square? \_\_\_\_\_
2. A box has a volume of  $2.34 \text{ m}^3$ . What is the total of 16 boxes? \_\_\_\_\_
3. The length of a square is 2.25 cm. What is the area of the square? \_\_\_\_\_
4. Jessica's rectangular garden is 12.45 m long and 3.5 m wide. What is the area of her garden?  
\_\_\_\_\_

5. Find the perimeters of the following figures:

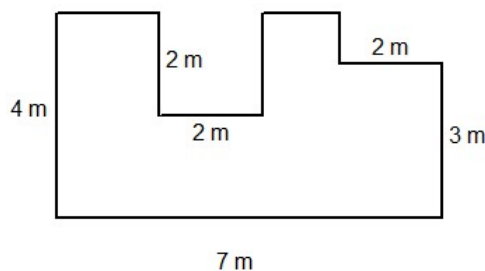
(a) Perimeter = \_\_\_\_\_



(b) Perimeter = \_\_\_\_\_



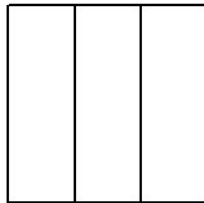
(c) Perimeter = \_\_\_\_\_



6. Raymond is 16 cm taller than John and John is 12 cm shorter than Peter. From this we can conclude that:

- (A) Raymond is taller than Peter.      (B) Raymond is taller than Peter by 28 cm.  
 (C) Raymond is shorter than Peter.      (D) Raymond is shorter than Peter by 28 cm.

7. A square with a perimeter of 48 cm is divided into three equal rectangles as shown below. What is sum of the perimeters of these rectangles?




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8. John has a garden with an area of  $5.6 \text{ m}^2$ . If the width of the garden is 0.4 m, find the length of the garden.

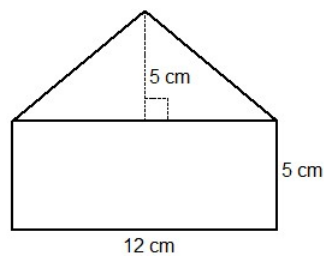
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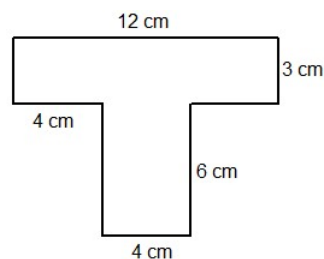
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9. Find the area of the following figures:

(a) Area = \_\_\_\_\_



(b) Area = \_\_\_\_\_



## 2.2 Practice Exam Questions — Number Patterns

1. What number could replace the question mark in this grid?

4	6	2	7	5	8
7	?	1	16	10	19

- (A) 13            (B) 18            (C) 14            (D) 12

2. What is the next member of this mathematical sequence?

49, 64, 81, 100, ?

- (A) 81            (B) 121            (C) 100            (D) 144

3. Which number would best replace the X in this number pattern?

105, 95, X, 78, 71, 65, . . .

- (A) 87            (B) 86            (C) 85            (D) 84

4. Counting numbers are arranged in seven columns called A, B, C, D, E, F, and G. In which column will the number 44 appear?

A	B	C	D	E	F	G
1	2	3	4	5	6	7
8	9	10	11	.	.	.

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5. Counting numbers are arranged in six columns called A, B, C, D, E, and F. In which column will the number 44 appear?

A	B	C	D	E	F
1	2	3	4	5	6
12	11	10	9	8	7
13	14	.	.	.	.

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### 2.3 Practice Exam Questions — Rate and ratio

1. Linda swims 0.35 km every morning. What is the total distance swam after 2 weeks?

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2. Bob won a 200 m swimming race in 1 minute and 36 seconds. Joe took 2 minutes and 12 seconds. What is the difference between their times?

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3. In a fundraiser marathon, Keith ran 5.78 km and walked 4.26 km. For every 100 metres Keith covers, his family will donate \$1.00.

(a) What is the total distance did Keith cover?

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(b) How much will Keith's family donate?

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4. A car travelled 80 km in first hour and travelled 96 km in second hour. What is the average speed of the car travelled?

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5. How many seconds are there in half an hour?

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6. Express 25 m/s as km/h. \_\_\_\_\_

7. Express 90 km/h as m/s. \_\_\_\_\_

8. Express 0.008 as percentage. \_\_\_\_\_

### 2.4 Practice Exam Questions — Problem Solving

1. Tom saves one-quarter of his pocket money. If his mother gives him \$5 pocket money every week. How much would he save in one year?

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2. Andy had some baseball cards. If he divided it by 8 he would have 6 left over. If he divided it by 4 he would have 2 left over. What is the least number of cards that he could have?

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3. Cathy bought 5 metres of ribbon at \$3.65 per metre. If she paid the shopkeeper 2 \$10 notes, how much change should she receive?

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4. The houses on a street are numbered from 1 to 50. How many houses have at least one digit "3" in its number?

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5. How old am I? \_\_\_\_\_

- I am between 10 and 30 years.
- Last year my age was a multiple of 3.
- Next year my age will be a multiple of 5.

6. If three ice-creams can be bought for a total of \$1.20, what would I pay for seven ice-creams?

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7. Together a laptop and its case cost \$2500. The laptop costs \$2400 more than the case. What was the cost of the case?

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8. Mr Brown is three times older than his son Joe. Eight years ago he was five times as old as Joe. His daughter, Lisa is half the age of Joe but four years ago Joe was three times older than Lisa. If Joe is 16 years old now, how old is Mr Brown?

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9. Tony starts school at 9:05 am. He slept in and arrived at school at 10:18 am. How late is he?

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10. If the 5th June is a Thursday, what day will the last day in June be?

(A) Monday            (B) Sunday            (C) Friday            (D) Saturday

11. Which mathematical expression should be used to calculate the answer to this problem?

Linda shared 168 sweets among her four friends, Jessica, Cathy, Bonnie and Jane. If Jane gave half her share to her sister, how many did she have left for herself?

(A)  $168 \div 4 - \frac{1}{2}$       (B)  $168 \div 4 \div 2$       (C)  $168 \times 4 - \frac{1}{2}$       (D)  $168 \times 4 \times 2$

12. A group of friends went to watch a movie together. If one movie ticket costs \$9.20 and the total amount paid was \$55.20, how many people went altogether?

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13. Find the LCM of 3, 6, and 8.

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14. Express the following as a product of its prime factors.

144 = \_\_\_\_\_