

Year 3 Term 3 Homework

Student Name: _____	Grade: _____
Date: _____	Score: _____

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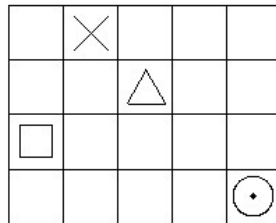
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5 Year 3 Term 3 Week 5 Homework

5.1 Topic 1 — Position and Direction

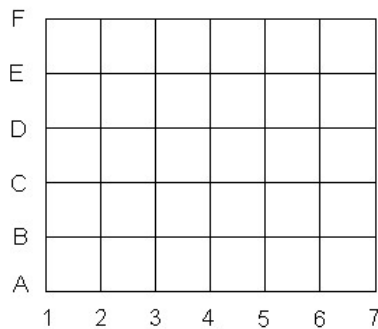
Exercise 5.1.1

1. Looking at the grid, describe in words the position of:



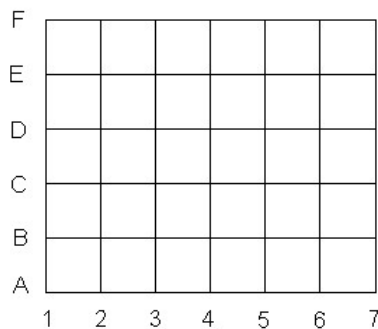
- (a) the triangle in relation to the cross _____
- (b) the circle in relation to the square _____
- (c) the square in relation to triangle _____

2. Mark the following positions on the grid, joining them up as you go. What shape is formed?



D2, E6, C7 and B3. _____

3. Mark the following positions on the grid, joining them up as you go. What shape is formed?

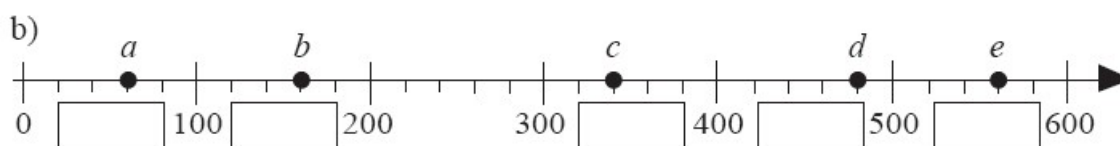
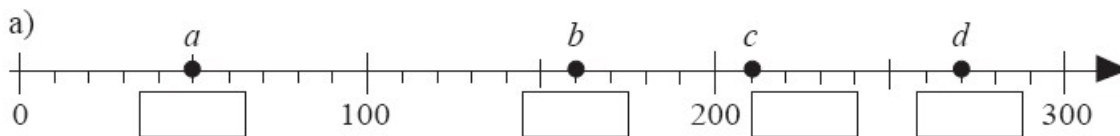


D1, F4, D7 and A4. _____

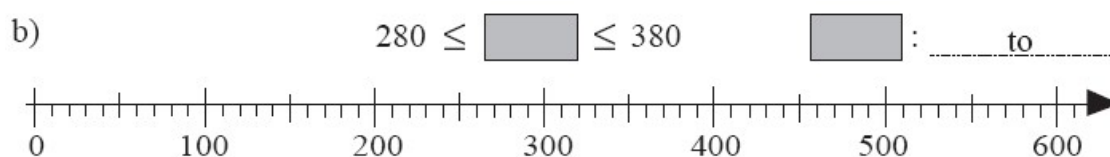
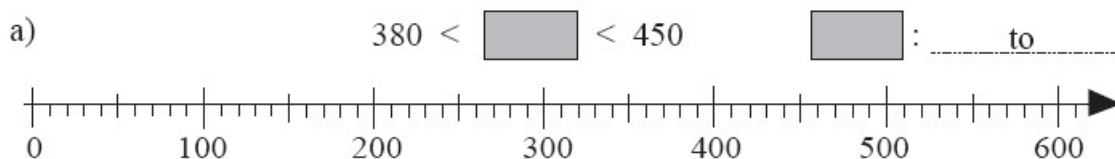
5.2 Topic 2 — Number Line

Exercise 5.2.1

1. Which numbers do the letters stand for? Write the numbers in the boxes.



2. Which whole numbers make each statement true? Mark them on the number line. Write down the highest and lowest possible numbers.



3. Write the next smaller and greater whole ten and hundreds in the boxes:

<input type="text"/>	<	<input type="text"/>	<	423	<	<input type="text"/>	<	<input type="text"/>
<input type="text"/>	=	<input type="text"/>	<	507	<	<input type="text"/>	<	<input type="text"/>
<input type="text"/>	<	<input type="text"/>	<	685	<	<input type="text"/>	<	<input type="text"/>
<input type="text"/>	<	<input type="text"/>	<	751	<	<input type="text"/>	<	<input type="text"/>
<input type="text"/>	<	<input type="text"/>	<	892	<	<input type="text"/>	=	<input type="text"/>

5.3 Topic 3 — Length

Exercise 5.3.1

1. Write the following lengths in centimetres:

(a) $1.25\text{ m} =$ _____

(b) $12.5\text{ m} =$ _____

(c) $0.15\text{ m} =$ _____

(d) $1.05\text{ m} =$ _____

2. Write the following lengths in metres:

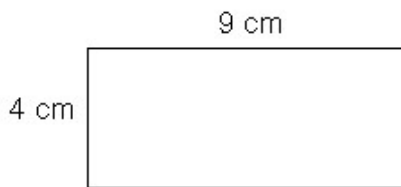
(a) $1250\text{ cm} =$ _____

(b) $120.5\text{ cm} =$ _____

(c) $125\text{ cm} =$ _____

(d) $12.5\text{ cm} =$ _____

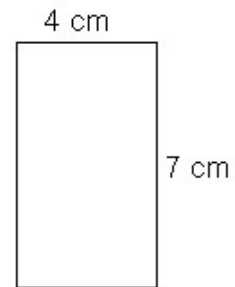
3. Find the perimeter of each of these rectangles:



(A)



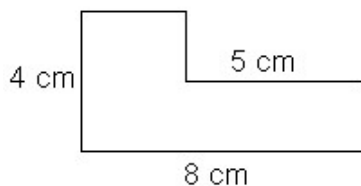
(B)



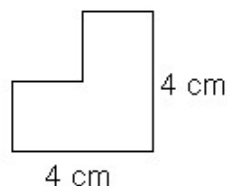
(C)

Answers: (A) _____ ; (B) _____ ; (C) _____ ;

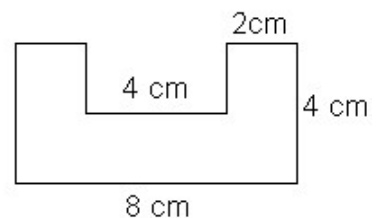
4. Find the perimeter of each of these figures:



(A)



(B)



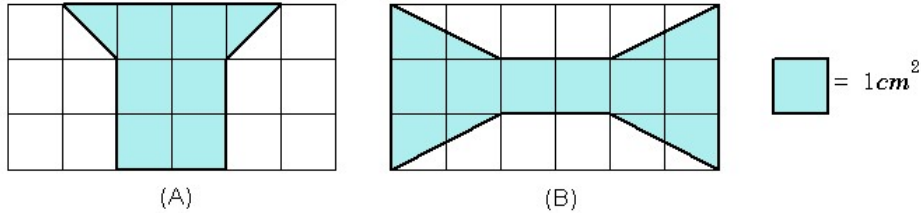
(C)

Answers: (A) _____ ; (B) _____ ; (C) _____ ;

5.4 Topic 4 — Area

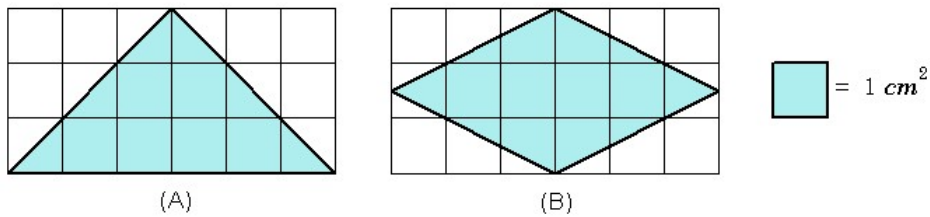
Exercise 5.4.1

1. Find the shaded area of the figures shown below:



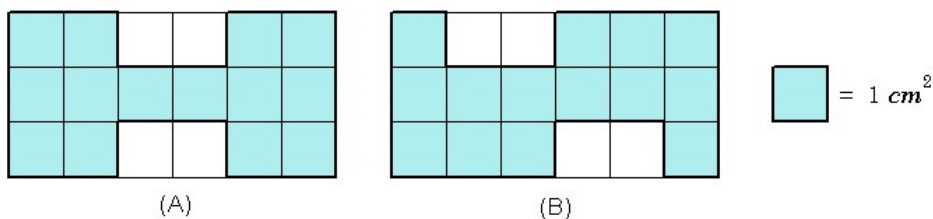
Answers: (A) _____ ; (B) _____ ;

2. Find the shaded area of the figures shown below:



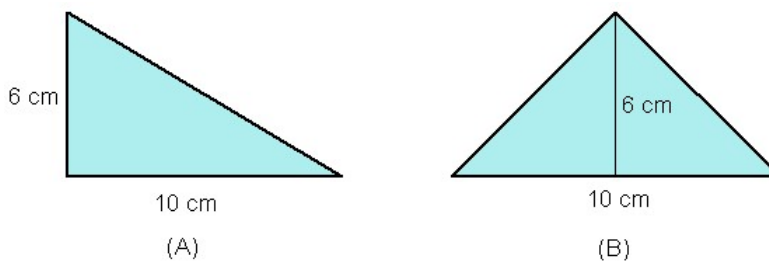
Answers: (A) _____ ; (B) _____ ;

3. Find the shaded area of the figures shown below:



Answers: (A) _____ ; (B) _____ ;

4. Find the shaded area of the figures shown below:



Answers: (A) _____ ; (B) _____ ;

5.5 Problem Solving 1 (Place Value)**Exercise 5.5.1**

1. How many 5-cent coins are there in \$2.15? _____
2. How many 10-cent coins are there in \$5.20? _____
3. How many 50-cent coins are there in \$13.50? _____
4. How many \$5.00 notes are there in \$125? _____
5. How many tens are there in 1025? _____
6. How many tens are there in five thousands and 25 tens? _____
7. How many hundreds are there in 5225? _____
8. How many hundreds are there in 5 thousands and 32 hundreds? _____
9. How many centimetres are there in 5.25 metres? _____
10. How many centimetres are there in 10 metres and 58 centimetres? _____
11. How many centimetres are there in 12.05 metres? _____
12. How many metres are there in 1.250 kilometres? _____
13. How many hundreds are there in twenty-five thousands? _____
14. How many hundreds are there in eight thousands, 7 hundreds and 20 units? _____
15. What is the value of the third 5 in the numeral 5555? _____
16. How many 250 mL bottles of milk would you have to buy to have exactly 8 litres? _____
17. How many 750 mL bottles of milk would you have to buy to have exactly 15 litres? _____
18. How many grams are there in 12.5 kilograms? _____
19. How many grams are there in 10 kilograms and 250 grams? _____
20. How many grams are there in one quarter of kilogram? _____

5.6 Problem Solving 2 (Guess and Check)

Exercise 5.6.1

1. Find two numbers whose product is 36 and sum is 15.

2. The sum of two numbers is 30 and their difference is 8. Find their product.

3. Michael saw some hens and cows in a farm. If he counted 11 animals and 28 legs altogether, how many of each animal did he see?

4. Together a book and a pencil case weigh 800 grams. The book weighs 650 grams more than the pencil case. How much does each item weigh?

5. Pencils cost 20 cents each and erasers cost 30 cents each. Luke bought four times as many pencils as erasers, and paid \$3.30. How many pencils and how many erasers did he buy?

6. The sum of two numbers is 48. If one number is 5 times more than another. What are the numbers?

5.7 Miscellaneous Exercises

Exercise 5.7.1

1. How much money has Crystal saved if she has ten 5 cent coins, five 10 cent coins, twelve 50 cent coins and two \$2 coins?

2. If Ron shared \$31.50 with five of his friends, how much did each person get?

3. Simplify $12 \div 3 + 3 \times 2 - 4 =$

4. My sister and I have \$120 altogether. If I have twice as much as my sister, how much do I have?

5. Peter has 72 marbles. If one third of them are red and the rest of them are blue, how many blue marbles does Peter have?

6. If five bottles of Coke cost \$6.25. How much would 6 bottles of Coke cost?

7. The bus left the terminal with 25 passengers. At the first stop 4 more passengers got on, At the second stop 5 got off and 8 got on. At the third stop 3 passengers got off 6 passengers got on. How many passengers are now on the bus?

Exercise 5.7.2

1. To bake a cake it takes 1 hour and 45 minutes. If the cake is put in the oven at 4:35 p.m. at what time will it be cooked?

2. An English book costs \$8.50. A maths book costs \$5.80. What is the total cost of five of each type?

3. If a square has a perimeter of 144 cm, how long is each side?

4. If a square has a area of 144 cm^2 , how long is each side?

5. Joe is 2 years older than Bob who is 9 years old. Tom is 3 years younger than Joe. What is the sum of their ages?

6. How many minutes are there from half past 2 to 5 twenty?

7. How many seconds are there in 3 and a half minutes?

8. A car travels 140 km in two hours. At this rate how far will it travel in 3 hours?

Exercise 5.7.3

1. What number comes next in this pattern? 2, 3, 6, 8, 16, . . .

2. Which of these has the greatest value?

(A) $100 + 5$ (B) $100 \div 5$ (C) 100×5 (D) $100 - 5$

3. Which of these has the greatest value?

(A) $100 + \frac{1}{5}$ (B) $100 \div \frac{1}{5}$ (C) $100 \times \frac{1}{5}$ (D) $100 - \frac{1}{5}$

4. A robot-mouse uses 3 batteries every 5 minutes. The batteries are sold in packs of 4. How many packs of batteries would be needed to run the robot for one hour?

5. If Jane, Bonnie and Crystal have 50 marbles altogether. Jane has 5 more than Bonnie. Bonnie has 2 times as many as Crystal. How many marbles does Bonnie have?

6. Steven's birthday is April 28. Ivy's birthday is two weeks after Steven's. What day is Ivy's birthday?

7. What number should be placed in the box to make this number sentence true?

$$4 \times \boxed{?} = (4 \times 6) + (4 \times 3) + 4$$

8. Which one of these numbers can be divided by both 3 and 5 without a remainder?

(A) 35 (B) 30 (C) 20 (D) 8

5.8 Quiz 5

1. $\frac{5}{6} + \frac{1}{6}$ _____

2. $\frac{5}{6} - \frac{1}{6}$ _____

3. $\frac{3}{5} + \frac{1}{7}$ _____

4. $\frac{3}{5} - \frac{1}{7}$ _____

5. If Tom shares \$24.80 with his three friends, how much did each person get?

6. How many \$5.00 notes are there in \$225? _____

7. How many hundreds are there in twenty-one thousands? _____

8. How many 200 mL bottles of milk would you have to buy to have exactly 6 litres? _____

9. The sum of two numbers is 20. If one number is 4 times more than another. What are the numbers?

10. If a rectangle has a length of 12 cm and a width of 8 cm, what is its perimeter?

11. How many hundreds are there in 2546? _____

12. What is the value of the second 3 in the numeral 3333? _____

13. How many tens are there in 1512? _____

14. How many 20-cent coins are there in \$2.40?
