

Year 4 Term 2 Homework

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

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8 Year 4 Term 2 Week 8 Homework

8.1 Topic 1 — Length

1. Change the units in brackets:

(a) $3\text{ m } 45\text{ cm} = \underline{\hspace{2cm}}$ (cm).

(b) $197\text{ cm} = \underline{\hspace{2cm}}$ (m).

(c) $9\text{ cm } 4\text{ mm} = \underline{\hspace{2cm}}$ (mm).

(d) $2\text{ m } 30\text{ cm } 45\text{ mm} = \underline{\hspace{2cm}}$ (mm).

(e) $609\text{ cm} = \underline{\hspace{2cm}}$ (mm).

(f) $43257\text{ m} = \underline{\hspace{2cm}}$ (km).

(g) $1.023\text{ km} = \underline{\hspace{2cm}}$ (m).

(h) $0.25\text{ km} = \underline{\hspace{2cm}}$ (cm).

(i) $3\text{ km and } 34\text{ m} = \underline{\hspace{2cm}}$ (m).

2. A floor tile is 205 mm wide. How wide is the bath room if 9 tiles laid end to end are needed for each row?

3. One quarter of a path has already been paved. How much has been done if the whole path is 792 m long?

4. Freddy Frog jumped 130 cm 8 mm, then another 1 m 15 cm 4 mm. How far did he jump altogether?

5. A rectangle is 2.25 m long and 56 cm wide. Find the perimeter of the rectangle in metres.

8.2 Topic 2 — Area

1. Change the units in brackets:

(a) $1.2 \text{ m}^2 = \text{_____} (\text{cm}^2)$.

(b) $1200 \text{ cm}^2 \text{ _____} (\text{m}^2)$.

(c) $2250 \text{ mm}^2 \text{ _____} (\text{cm}^2)$.

(d) $1.2 \text{ cm}^2 = \text{_____} (\text{mm}^2)$.

(e) $1.2 \text{ m}^2 = \text{_____} (\text{mm}^2)$.

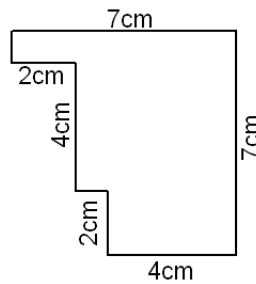
2. The area of a rectangle is 360 cm^2 . How long is the other side if one side is:

(a) 5 cm long _____

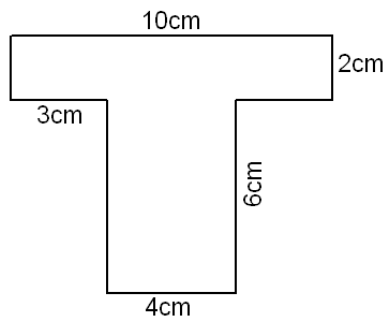
(b) 12.5 cm long _____

(c) 0.15 m long _____

3. All the angles in the diagram are right angles. What is the area of the figure in square metres?



4. All the angles in the diagram are right angles. What is the area of the figure in square metres?



8.3 Topic 3 — Volume

1. Change the units in brackets:

(a) 4 litres 34 cL = _____ (cL) .

(b) 836 cL = _____ (L) .

(c) 1 litre 36 cL 2 mL = _____ (mL) .

(d) 708 cL = _____ (mL) .

(e) 1035 mL = _____ (L) .

(f) 1250 cm^3 = _____ (L) .

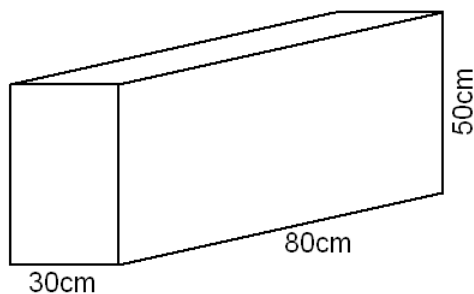
(g) 750 mL = _____ (cm^3) .

(h) 1.2 m^3 = _____ (L) .

2. Joe drank 1 litre 125 mL of cordial and his son drank 150 mL less. How much cordial did they drink altogether?

3. A milk churn contained 7 litres 50 cL of milk. The farmer used 2 litres 80 cL of the milk to feed some newborn lambs. How much milk was left in the churn?

4. Find the volume of the figure given below in m^3 : _____



8.4 Topic 4 — Mass

1. Change the units in brackets:

(a) 1 kg 805 g = _____ (g) .

(b) 1300 g = _____ (kg) .

(c) 1.02 kg = _____ (mg) .

(d) 0.21 kg = _____ (g) .

(e) 120 g = _____ (kg) .

(f) 3045 g = _____ (kg) .

(g) 1604 g = _____ (mg) .

(h) 1208 mg = _____ (kg) .

2. 4 sacks of wheat weigh 304 kg altogether. How much wheat, on average, is in each sack?

3. One litre of oil has mass 920 g. Complete the table below:

Capacity	10 cL	35 cL	125 cL		250 mL		2000 mL	
Mass				552 g		2760 g		46 g

4. 56 swallows are resting on a wire between two telegraph poles. What weight on the wire if each swallow weighs about 32 grams?

5. Adam had a mass of $39\frac{3}{4}$ kg when he was 10 years old. After his next birthday his mass had risen by $4\frac{1}{2}$ kg. Another year later it had risen by a further $5\frac{3}{4}$ kg. When he caught a virus he lost $1\frac{1}{2}$, but gained $2\frac{1}{2}$ kg when he recovered. What was his mass then?

8.5 Problem Solving (Guess and Check)

1. In the past four weeks a fine day occurred on six more days than the days on which it rained. How many days had bad weather?

2. Four consecutive whole numbers have a sum of 130. What is the largest number?

3. There are total 26 cows and ducks in a farm. If there are 66 legs altogether, How many cows are there?

4. Jessica is 21 and her mother is 43. How long ago was her mother's age 3 times more than Jessica's age?

5. A father's age is 40, his son's 7 and his daughter's 3. In how many years will the sum of the children's ages be equal to the father's age?

6. If $A + B + C = 61$, and $A - B = 5$ and $B - C = 4$. Find the value of A, B and C.

8.6 Quiz 8

8.6.1 Part A

1. Which number is four times as much as 264? _____
2. Four times a number is 264. What is the number? _____
3. Which number is one quarter of 452? _____
4. One quarter of a number is 452. What is the number? _____
5. The distance travelled by a plane from New York to London is about 5684 km. What is this distance rounded to the nearest:
 - (a) 10 km? \approx _____ (km) .
 - (b) 100 km? \approx _____ (km) .
 - (c) 1000 km? \approx _____ (km) .
6. What temperature is body temperature? _____
7. What temperature is boiling point? _____
8. The difference between two numbers is 4321. The smaller number is 2345. What is the other number?

9. The difference between two numbers is 4321. The larger number is 5432. What is the other number?

10. What is the subtrahend if the reductant is 5300 and the difference is 1800?

8.6.2 Part B

1. A baker needs 9 eggs to bake a cake. He has 170 eggs. How many cakes can he bake and how many eggs will be left over?

2. A snail takes 8 minutes to move 1008 mm. How far can it move in 3 minutes?

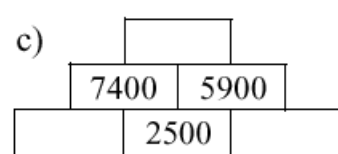
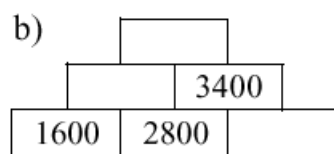
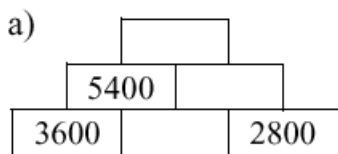
3. In a school hall, there are 320 chairs. If 16 chairs are broken, the rest of them have to be arranged in 8 rows, with the same number of chairs in each row. How many chairs will be in each row?

4. complete the magic squares below:

	300	
500	200	200

2000		2500
	3000	
		4000

5. The sum of any two adjacent numbers is the number directly above them. Fill in the missing numbers.

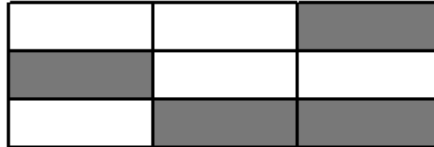


8.6.3 Part C

1. Find the missing number in the sequence given below:

65, 71, 78, _____ 95, 105 . . .

2. In the figure given below, each small rectangle is 1 cm wide and 3 cm long.



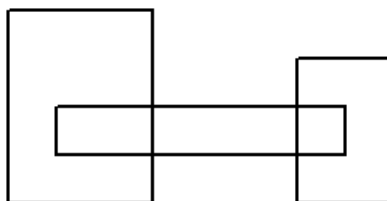
(a) What fraction of this rectangle is shaded?

(b) Find the percentage of the shaded area to the unshaded area.

(c) Find the perimeter and the area of the big rectangle.

(d) How many rectangles, of any size are there in the figure?

3. How many quadrilaterals are in this figure?



8.7 Challenging Problems

Exercise 8.7.1

1. Suppose today is Monday. What day of the week will be 50 days from now?

2. David has 20 coins consisting of 5-cent coins and 20-cent coins. The total value of his coins is \$2.20. How many of each kind does he have?

3. Find the value of X if $1\frac{3}{4} + \frac{1}{X} = 2\frac{3}{12}$.

4. A piece of ribbon is shared equally between a number of people. If every piece is 15 cm long, 10 cm of ribbon is left over. If every piece is 12 cm, 0.46 m is left over. How long is the original length of the ribbon?
