

Important Concepts . . .

# Preview Review



**Mathematics   Grade 4   *TEACHER KEY***

***W3 - Quiz***

## Important Concepts of Grade 4 Mathematics

W1 - Lesson 1 .....	Number Concepts
W1 - Lesson 2 .....	Addition and Subtraction
W1 - Lesson 3 .....	Patterns
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W1 - Quiz	
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W3 - Lesson 1 .....	Measurement 1
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W3 - Quiz	

## Materials Required

Mathematics Grade 4

Version 5

Preview/Review W3 - Quiz TEACHER KEY

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# Preview/Review Concepts for Grade Four Mathematics

***TEACHER KEY***

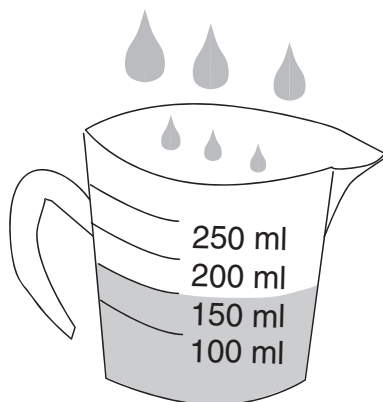
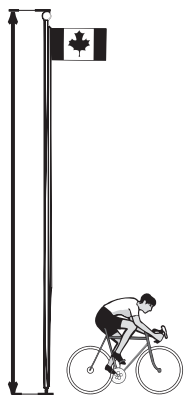


***W3 - Quiz***



**W3 - Quiz****Score: /50**

1. Tell what is being measured in each picture. Write **length**, **height**, **mass**, or **capacity** in each blank. (3 marks)



- a. **height**                      b. **capacity**                      c. **mass**

2. Write the short form for each of the following units. (3 marks)

- a. kilogram **kg**                      b. metre **m**
- c. millilitre **mL**

3. Change the following centimetre measurements to millimetres.  
(2 marks)

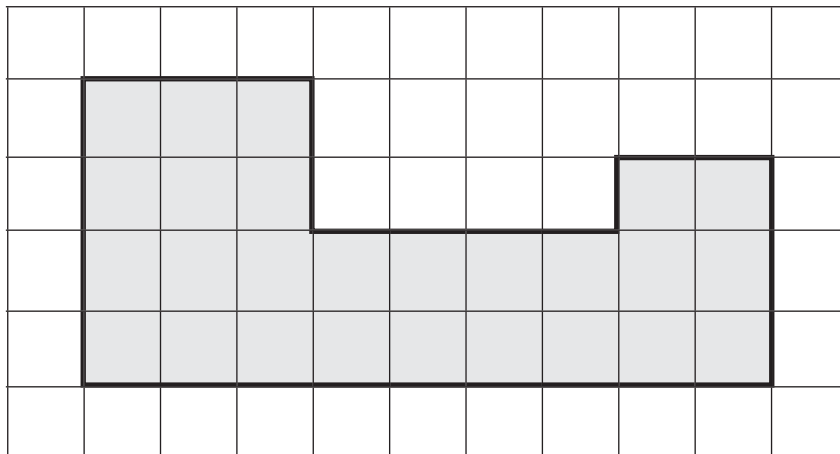
- a. 5 cm = **50** mm                      b. 22.5 cm = **225** mm

4. Change the following millimetre measurements to centimetres.  
(2 marks)

- a. 64 mm = **6.4** cm                      b. 107 mm = **10.7** cm

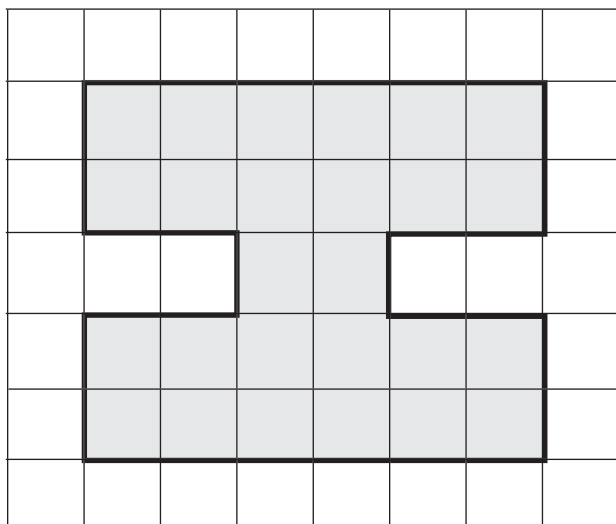
5. Find the perimeter and area of each figure below. Be sure to include the correct units with each answer. Each square stands for 1 square centimetre. (8 marks)

a.



Perimeter 28 cm Area 26 cm<sup>2</sup>

b.



Perimeter 30 cm Area 26 cm<sup>2</sup>

6. Use a ruler to measure this line. Write the measurement in centimetres. Then change the measurement to millimetres. (2 marks)



9.5 cm  
or 9.6

95 mm  
or 96

7. Circle the larger measurement in each pair below. (4 marks)

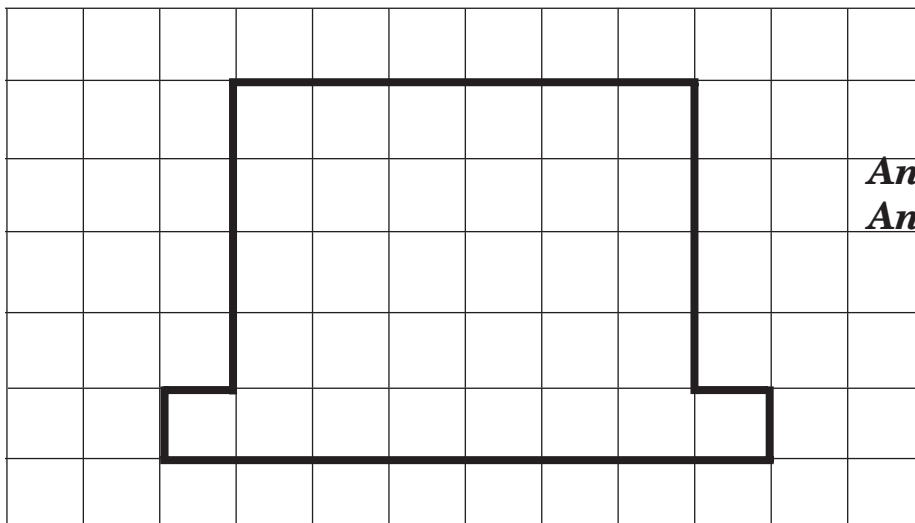
a. 64 mm or 6 cm

b. 2.6 kg or 2700 g

c. 14 cm or 145 mm

d. 1.1 L or 1 000 mL

8. Draw a figure with at least 6 sides that has an area of 27 square centimetres. (2 marks)



*Answers will vary.  
An example is given.*

9. A room is 8 metres long and 4 metres wide. Calculate the area of the rug needed to cover the entire floor? Show your calculation. Be sure to add units to your answer. (3 marks)

$$\begin{aligned} A &= L \times W \\ &= 8 \times 4 \\ &= 32 \text{ m}^2 \end{aligned}$$

*The rug needs to be 32 m<sup>2</sup> to cover the entire floor.*



10. A man was born in 1887. He died in 1990.

- a. How old was he when he died? (1 mark)

$$\begin{array}{r} 1990 \\ -1887 \\ \hline \end{array}$$

**103**

*The man was 103 years old when he died.*

- b. Did he live for a century? How do you know? (2 marks)

*Yes. A century is 100 years. He lived for more than a century.*



11. Label the following lines correctly. Use the words in the box. Use a ruler to draw your lines. (2 marks)

**vertical line**  
**intersecting lines**

**horizontal line**  
**parallel lines**

a. 

*horizontal line*

---

b. 

*parallel lines*

---

c. 

*intersecting lines*

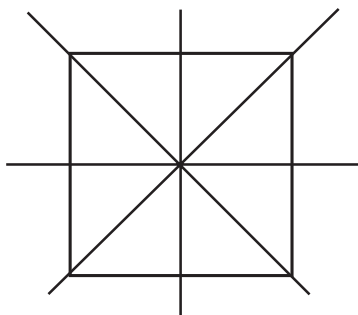
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d. 

*vertical line*

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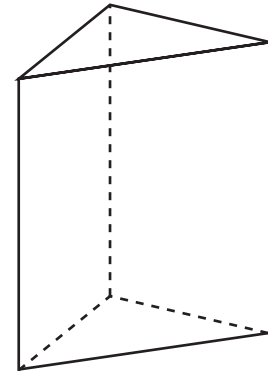
12. Show all of the lines of symmetry this square has. Use a ruler to draw your lines. (2 marks)



13. a. Name this solid. (2 marks)

Answer:

*triangular prism*



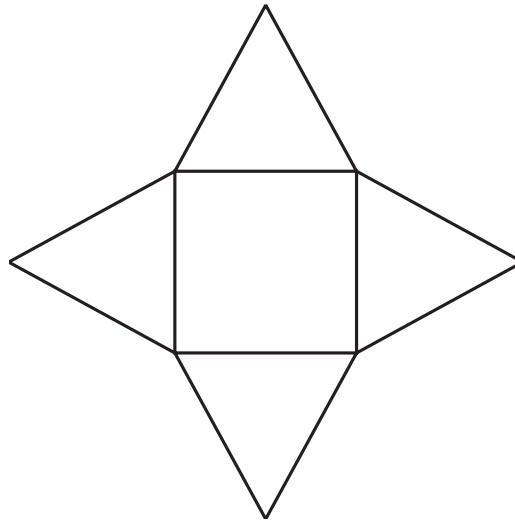
b. Tell how many faces, edges and vertices this solid has (3 marks)

faces 5

edges 9







vertices 6




14. Look at this net. Tell what 3-D shape will be formed. (2 marks)



Answer: *A square-based pyramid will be formed.*

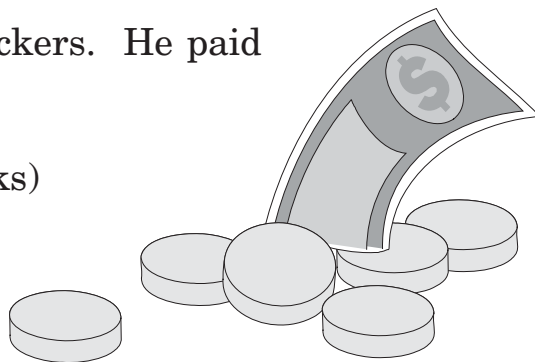
15. Use the “Over and Up” method to tell where each object is located.  
(3 marks)

4					
3					
2					
1					
	A	B	C	D	E

- a. The  is located at the box called **B2** .
- b. The  is located at the box called **D3** .
- c. The  is located at the box called **A4** .
16. Jason spent \$3.58 on some skateboard stickers. He paid the clerk using a \$20-bill.

- a. How much change will he get? (2 marks)

$$\begin{array}{r}
 \$20.00 \\
 - \quad 3.58 \\
 \hline
 \$16.42
 \end{array}$$



- b. If you were the clerk, what bills and coins would you give Jason? Remember, you want to give the fewest number of coins possible. Draw the bills and coins. (2 marks)

