



**Strathmore  
Secondary College**

400 Pascoe Vale Road  
Strathmore VIC 3041  
Phone: 03 9379 7999  
Fax: 03 9379 2812

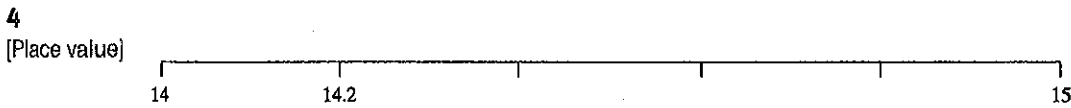
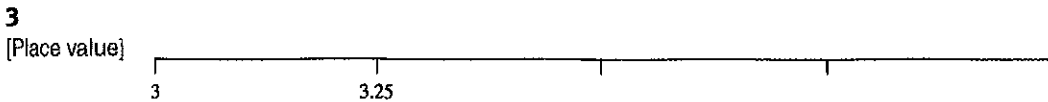
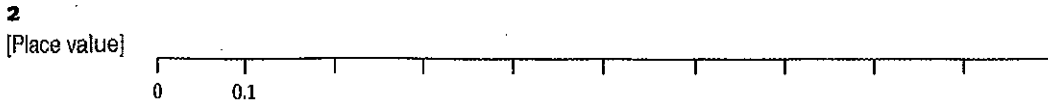
# Year 8 Maths Homework Sheet No.02

To be completed on loose-leaf paper.

Due date: \_\_\_\_\_

**1** The number 5.5 is halfway between 5 and 6. True or False? \_\_\_\_\_  
[Place value]

For **2-4**, write the missing numbers in decimal form below the number line.



**5** What is the place value of the 6 in 5.36?  
[Place value]

**6** What is the place value of the 7 in 0.745?  
[Place value]

**7** What is the place value of the 2 in 30.200?  
[Place value]

For **8-12**, write as a decimal fraction or number.

**8**  $\frac{4}{10}$   
[Convert to decimal]

**9** 8 hundredths  
[Convert to decimal]

**10**  $\frac{47}{1000}$   
[Convert to decimal]

**11**  $\frac{4}{5}$   
[Convert to decimal]


**12**  $2\frac{3}{5}$   
[Convert to decimal]

For **13-17**, write as a fraction or mixed number in simplest form.

**13** 0.09  
[Convert to fraction]

**14** 0.107  
[Convert to fraction]

**15** 34.1  
[Convert to mixed number]

**16**  7.03  
[Convert to mixed number]

**17** 4.6  
[Convert to mixed number]

**18** Which is larger, 0.09 or 0.7?  
[Compare decimals]

**19** Which is smaller, 4.7 or 4.17?  
[Compare decimals]

**20** Write 0.13, 0.1, 0.31, 0.03 in ascending order.  
[Order decimals]

**21** Write 4.017, 4.17, 4.71, 4.071 in descending order.  
[Order decimals]

1  $0.172 \times 10 =$  \_\_\_\_\_

[Multiply decimals]

2  $4.9 \times 100 =$  \_\_\_\_\_

[Multiply decimals]

3  $3.6234 \times 1000 =$  \_\_\_\_\_

[Multiply decimals]

4  $32.1 \div 10 =$  \_\_\_\_\_

[Divide decimals]

5  $417 \div 100 =$  \_\_\_\_\_

[Divide decimals]

6  $86.18 \div 1000 =$  \_\_\_\_\_

[Divide decimals]

For 1-4 convert the length to the unit indicated.

1 a  $150 \text{ mm} =$  \_\_\_ cm b  $700 \text{ cm} =$  \_\_\_ m

[Length units]

2 a  $2.7 \text{ km} =$  \_\_\_ m b  $0.250 \text{ m} =$  \_\_\_ cm

[Convert length units]

3 a  $0.457 \text{ m} =$  \_\_\_ mm

[Convert length units]

b  $73260 \text{ mm} =$  \_\_\_ m

4 Estimate the length of:

a a textbook

[Estimate lengths]

For 1-5 round the number.

1 26.5913 (1 decimal place)

[Round decimal]

2 132.613 (2 decimal places)


[Round decimal]

3 7.6482 (3 decimal places)

[Round decimal]

4 52.481 (nearest whole number)

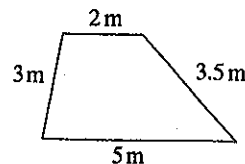
[Round decimal]

5  14.998 (1 decimal place)

[Round decimal]

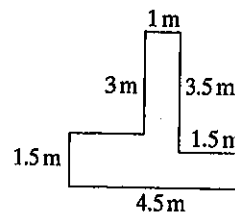
For 1-4, calculate the perimeter.

1. [Perimeter]

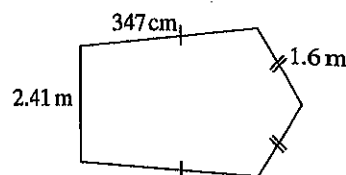


2. [Perimeter]

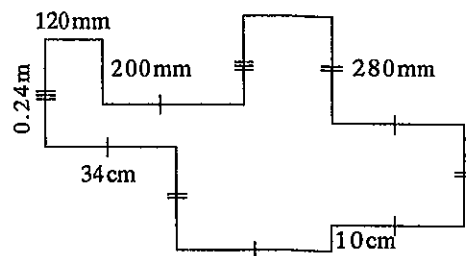
(Hint: some of the measurements are missing.)



3. [Perimeter]



4. [Perimeter application]



5. [Perimeter application]

Max has a rectangular back yard with a perimeter of 26 m. If the yard is 9 m in length, what is the width? (Hint: draw a diagram.)

6. [Perimeter application]

Aisha is making a square photo frame. If each side is 23.4 cm long, calculate the perimeter of the frame.

7. [Perimeter application]

The width of a kennel is 90 cm and the length is 1.5 m. Find the perimeter of the kennel. (Hint: draw a diagram.)

8. [Perimeter application]

Scott walked around the perimeter of a national park. He walked 2.4 km in the morning and 1.78 km in the afternoon, but still had 3.6 km to go. What is the perimeter of the park?

9. calculate the circumference (to 1 decimal

[Circumference]

