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| My score: \_\_\_  20 | |
| Developing |  |
| Secure |  |
| Extending |  |

Name:

Form:

Submission date:

**Measure and Estimation homework**

Section A – Estimation

**Q1.**

1. Round the number 3.509 to the nearest 2.d.p.

....................................

**(1)**

**b)** Round the number 0.0589 to the nearest 2.s.f.

....................................

**(1)**

**Q2.** Work out an estimate for 

....................................

(3)

**Q3.**

The weight of a stone is 22.7g rounded to 1dp. Complete the inequality to show the range of values this could take.

22.7g

(1)

Section B – Compound measures

**Q4.** Daniel leaves his house at 07 00.

He drives 90 miles to work.  
He drives at an average speed of 36 miles per hour.

At what time does Daniel arrive at work?

…………………………

(3)

**Q5.** The density of concrete is 2.3 grams per cm3.

(a) Work out the mass of a piece of concrete with a volume of 20 cm3.

............................... grams

(2)

480 grams of a cheese has a volume of 400 cm3.

(b) Work out the density of the cheese.

.................. grams per cm3

(2)

Section C – Perimeter

**Q6.** Here is a shape.

5 cm

10 cm

7 cm

Diagram **NOT** accurately drawn

16cm

Work out the perimeter of the shape.

.......................... cm

**(2)**

**Q7.** The diameter of a wheel on Harry’s bicycle is 0.65 m.

Calculate the circumference of the wheel.  
Give your answer correct to 2 decimal places.

Diagram **NOT** accurately drawn



................................. m

(2)

**Q8.** Here is a tile in the shape of a semicircle.

3m

Diagram **NOT** accurately drawn

The diameter of the semicircle is 3m.

Work out the perimeter of the tile.  
Give your answer correct to 2 decimal places.

..................................... m

(3)