

WKF F2 Errors in Measurement Assignment

Content: Ch.1 Errors in Measurement

1. (a) Round up 265.473 to the nearest integer.
(b) Round down 265.473 to 1 decimal place.
(c) Round off 265.473 to 2 significant figures.

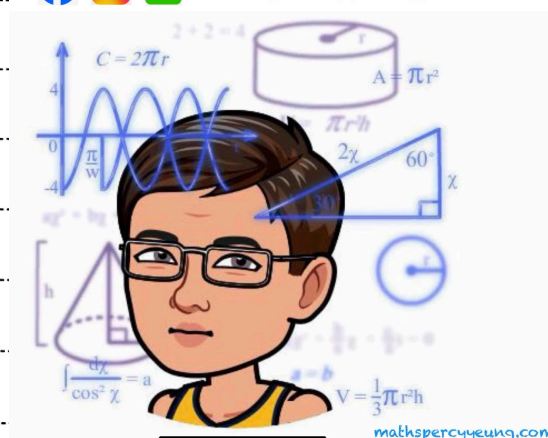
(HKDSE 2018 Paper 1 Q3)

2. (a) Round up 123.45 to 1 significant figure.
(b) Round off 123.45 to the nearest integer.
(c) Round down 123.45 to 1 decimal place.

(HKDSE 2014 Paper 1 Q3)

3. A bottle is termed standard if its capacity is measured as 200 mL correct to the nearest 10 mL.
(a) Find the least possible capacity of a standard bottle.
(b) Someone claims that the total capacity of 120 standard bottles can be measured as 23.3 L correct to the nearest 0.1L. Do you agree? Explain your answer.

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(HKDSE2017 Paper 1 Q9)

4. A pack of sea salt is termed regular if its weight is measured as 100 g correct to the nearest g.
- (a) Find the least possible weight of a regular pack of sea salt.
- (b) Is it possible that the total weight of 32 regular packs of sea salt is measured as 3.1 kg correct to the nearest 0.1kg? Explain your answer.

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(HKDSE2013 Paper 1 Q8)

END OF ASSIGNMENT