



Tolerance

Basic Skills

- 1a. 12cm, 18cm
- b. 17kg, 27kg
- c. 77cm, 123cm
- d. 100mm, 200mm
- e. 117.5cm, 122.5cm
- f. 0.8mm, 1.2mm

- 2a 19 ± 3 cm
- b. 135 ± 15 kg
- c. 16 ± 1 cm
- d. 44.25 ± 0.25 mg
- e. 1.05 ± 0.15 cm
- f. 0.51 ± 0.49 mg

3. min 498ml, max 502ml, 500 ± 2 ml

- 4a. max = 3.5cm, min = 2.5cm
- b. 3.6cm, 3.7cm, 2.49cm

5. 8.5 ± 7.5 mm

- 6a. 380mm, 420mm
- b. 24.5kg, 25.5kg
- c. 1194m, 1206m
- d. 16.74g, 19.26g
- e. 5.4cm, 6.6cm
- f. 277.5miles, 322.5 miles

Context Questions

1. $\pounds 12 \pm 3.20$

2. 75.86°C , 100.32°C

- 3a. min 9.2km, max 10.8km
- b. 11.4km, 8.4km

- 4a. 43 minutes, 37 minutes
- b. 35mins30secs, 2040secs

- 5a. 0.95m, 2.65m
- b. 34.60m

6. $8\text{mg} \pm 10\%$

- 7a. $\pounds 75320$
- b. 73440

8. 54.50seconds

9. minimum 279936cm³
maximum 511104cm³

10. 70%

Exam Questions

1. 71% so it would be accepted

2. 75% so it would not be accepted

3. 210m

4. 341kg

5. No as it is 90% and it needs to be over 90%.