

Answers to Mid-Year Review Measurement Packet

1. 7.632 km 2. 8.78 lbs 3. 91.7 m 4. 43 cm 5.86 cm, 81cm 6. 42 km
 7a. 1750 m b. 1.1 miles 8. 66 cents/l 9. 105 k/hr
 10a. 23040 in³ b. 152.4 x 61.0 x 40.6 cm c. 377,000 cm³ d. 10.2 x 4.1 x 2.7 cm

- 11a. 65 C b. -18 C 12. see below
 13a. 0.0132 km b. 3100 mg c. 0.12 m d. 0.541 l e. 40 g f. 6700 mm
 g. 895 ml h. 760 ml
 14a. 48.4 lbs b. 200 mi c. 6.8 in d. 1909 g e. 3.18 qt f. 394 in
 g. 65.91 kg h. 7.1 l
 15a. 6000 cm b. 7.5 cm c. 0.00433 kg
 16a. 35 ml b. 906 g c. 1890 ml d. 113 g e. 2740 mm f. 56 ft
 17. second 18. gram 19. Meter

20. millisecond 21. Kiloliter 22. 100 23. 10 24. 1,000,000
 25a. 533 ft² b. 178 ft³
 26. see below
 27a. 2) dollars b. 2) graduated cylinder c. 1) millimeter

- 28a. 2 b. 3 c. 1 d. 4 29 d, c, b, a 30a. 1 b. 4 c. 2 d. 3
 31. (c) 2.58 cm 32. 2.88 cm 33. 3 34. About 650,000

- 35a. 738
 b. A -25% B -16% C -5% D -3% E +10%
 F -11% G +6% H -39% I +63% J +21%
 c. H and I definitely, A and J probably – their percent differences are very large
 36a. 3 ft b. 1:90.22 c. 400 ft² d. 200 ft² e. 67 x 55 cm.
 (answers approximate)

12.

Mega	1,000,000
Kilo	1000
Deca	10
deci	1/10
centi	1/100
milli	1/1000
micro	1/1000000

