Assessment Test for Singapore Primary Mathematics 4B U.S. Edition

This test covers material taught in Primary Mathematics 4B, U.S. Edition
(http://www.singaporemath.com/)

1. Arrange in increasing order.

(a) 4.04 0.4 4.4 0.004 [2]

(b) $\frac{5}{8}$ 0.602 $\frac{3}{5}$ 0.66 [2]

2. Express each decimal as a fraction or mixed number in its simplest form.

(a) 0.6 (b) 4.12 [4]

(c) 0.408 (d) 6.002 [4]

3. Express each of the following as a decimal.

(a) $5 + \frac{6}{10} + \frac{4}{1000}$ (b) $\frac{104}{1000}$ [4]

(c) $3\frac{3}{8}$ (d) $\frac{4}{25}$ [4]

4. Solve.

(a) 26.45 + 29.73 (b) 4.83 + 0.6 [4]

(c) 2.3 – 0.37 (d) 40 – 0.08 [4]

(e) 23.73 x 7 (f) 4 x 49.08 [4]

5. Give the answer correct to 1 decimal place.

(a) 42.3 ÷ 3 (b) 68 ÷ 7 [4]

(c) 68.31 ÷ 8 (d) 174.5 ÷ 6 [4]

(e) 45 ÷ 4 (f) 230 ÷ 7 [4]

6. A meter of lace cost $0.40. Mrs. Jacobs bought 5.5 m of lace. She used 1.3 m to make a dress. She used the rest to make 4 cushions of the same kind.

(a) How much change did she receive if she paid for the lace with $10? [3]

(b) How much lace did she use for each cushion? Give your answer in meters and centimeters. [3]

7. A painter mixed 12.5 quarts of white paint with 16.7 quarts of green paint. He poured the mixture equally into 4 cans. He used one can to paint a wall. How many quarts of paint did he have left? [5]

8. Multiply and divide in compound units.

(a) 4 m 65 cm x 5 = _____ m _____ cm [2]

(b) 6 km 756 m x 8 = _____ km _____ m [2]

(c) 5 h 30 min ÷ 3 = _____ h _____ min [2]

(d) 15 kg 320 g ÷ 4 = _____ kg _____ g [2]

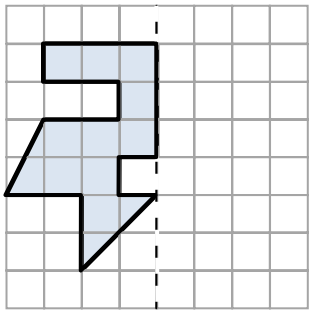
(e) 5 yd 2 ft. x 6 = _____ yd _____ ft [2]

(f) 3 gal 3 qt x 7 = _____ gal _____ qt [2]

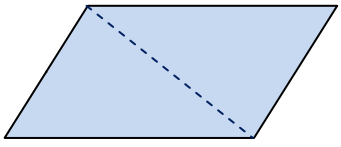
(g) 11 qt 2 c ÷ 2 = _____ qt _____ c [2]

(h) 18 ft 6 in.÷ 3 = _____ ft _____ in. [2]

9. Complete the symmetric figure with the dotted line as the line of symmetry. [2]

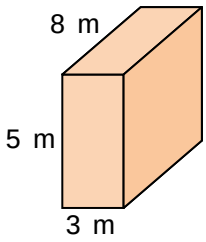


10. Is the dashed line a line of symmetry? [2]

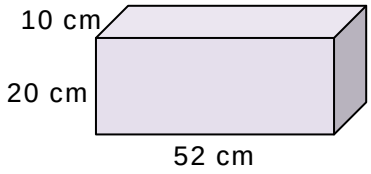


11. Find the volume of each cuboid.

(a)

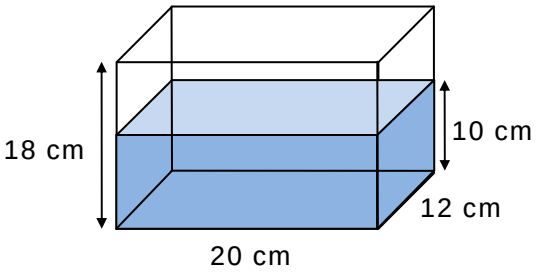


(b)



[4]

12. A rectangular tank 20 cm long, 12 cm wide and 18 cm high is filled with water to a depth of 10 cm.



(a) Find the volume of water in liters and milliliters (1 liter = 1000 cm^3) [3]

(b) How many liters more water are needed to fill the tank? [3]

13. John works 7 h 15 min in a factory 5 days a week. He is paid $8 an hour. How much money does he earn a week? [5]

14. A box with four books weighs 6 kg 272 g. The box alone weighs 500 g. Find the weight of one book. Express your answer in kilograms and grams. [5]

15. 0.3 of all the apples a grocer had were sold. If he had 49 apples left, how many apples did he have at first? [5]

Answer Key

1. (a) 0.004 0.4 4.04 4.4
   (b) $\frac{3}{5}$ 0.602 $\frac{5}{8}$ 0.66

2. (a) $\frac{3}{5}$ (b) $4\frac{3}{25}$
   (c) $\frac{51}{125}$ (d) $6\frac{1}{500}$

3. (a) 5.604 (b) 0.104
   (c) 3.375 (d) 0.16

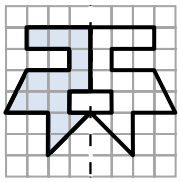
4. (a) 56.18 (b) 5.43
   (c) 1.93 (d) 39.92
   (e) 166.11 (f) 196.32

5. (a) 14.1 (b) 9.7
   (c) 8.5 (d) 29.1
   (e) 11.3 (f) 32.9

6. (a) \$7.80 (b) 1 m 5 cm

7. 21.9 quarts

8. (a) **23** m **25** cm (b) **54** km **48** m
   (c) **1** h **50** min (d) **3** kg **830** g
   (e) **34** yd **0** ft (f) **26** gal **1** qt
   (g) **5** qt **3** c (h) **6** ft **2** in.

9. 

10. no

11. (a) 120 m^3 (b) 10400 cm^3

12. (a) 2 L 400 ml (b) 1.92 L

13. \$290

14. 1 kg 443 g

15. 70