

Assessment Test for Singapore Primary Mathematics 5A U.S. Edition

This test covers material taught in Primary Mathematics 5A, U.S. Edition
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1. Use the digits 1, 6, 4, 3, 9, 2, 1
- (a) Arrange these digits to make the greatest possible number. [2]

- (b) Write the number in words. [2]

2. Estimate the value of
- (a) $6490 + 4993 \approx$ _____ [2]

- (b) $3721 \div 4 \approx$ _____ [2]

- (c) $4923 \times 7 \approx$ _____ [2]

3. Find the value of
- (a) $6 + 2 \times 24 \div 8 - 12 =$ _____ [2]

- (b) $48 \div (10 - 4) \times 100 =$ _____ [2]

- (c) $12 + (10 + 2) \div (6 \times 2) - 3 =$ _____ [2]

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4. Solve.

(a) 5492×98

(b) 3082×72

[4]

(c) $2304 \div 24$

(d) $2176 \div 68$

[4]

5. Express in its simplest form.

(a) $3\frac{5}{6} + 2\frac{9}{10}$

(b) $5\frac{1}{9} - 2\frac{2}{3}$

[4]

(c) $\frac{3}{10} \times \frac{5}{6}$

(d) $\frac{9}{16} \div 6$

[4]

6. Find the equivalent measures

(a) $4\frac{4}{5}$ min = _____ s

[2]

(b) $7\frac{2}{3}$ days = _____ h

[2]

(c) $2\frac{1}{5}$ m = _____ cm

[2]

7 Find the equivalent measures. [2]

(a) $6\frac{1}{3}$ ft = _____ in. [2]

(b) $5\frac{3}{4}$ gal = _____ qt [2]

(c) $3\frac{5}{8}$ lb = _____ oz [2]

8. (a) What fraction of \$2 is 75¢? _____ [2]

(b) What fraction of 4 lb is 8 oz? _____ [2]

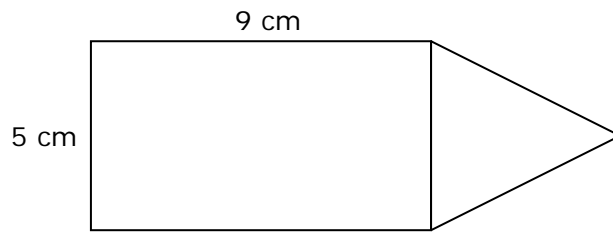
(c) Express 8 months as a fraction of 2 years. _____ [2]

9. Express the ratio 16 : 20 in its simplest form. [2]

10. Write the missing number. [2]

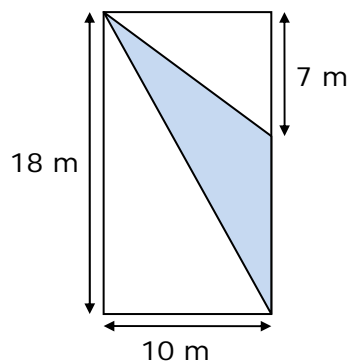
$30 : \underline{\hspace{2cm}} = 6 : 3$

11. The figure is made up of a rectangle and a triangle. Let the base of the triangle be the side against the rectangle. If the ratio of the height of the triangle to the length of the rectangle is 1 : 3, what is the area of the figure? [3]

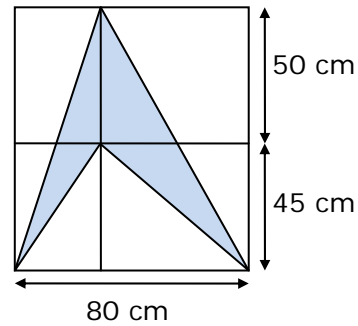


12. Find the area of the shaded figures. [6]

(a)

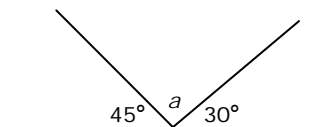


(b)

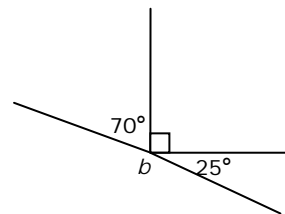


13. Find the unknown marked angles (without measuring). [4]

(a)



(b)



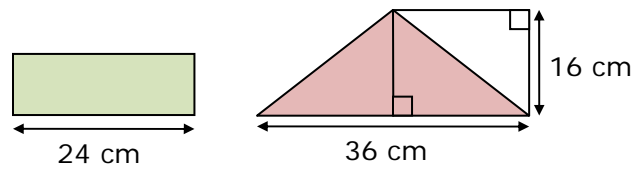
14. A pole, 135 cm long, is painted red, white, and blue in the ratio 3 : 4 : 2. What length of the pole is painted white? [4]

15. Cathy spent $\frac{4}{5}$ of her money while Josie spent $\frac{1}{2}$ of her money. Both of them had the same amount of money left. If Josie had \$35 left, how much did Cathy have at first? [4]

16. Peter spent $\frac{1}{3}$ of his money on a toy car and $\frac{2}{3}$ of the remainder on a toy boat. He had \$6 left. How much money did he spend altogether? [5]

17. A tank is $\frac{3}{5}$ full with water. If 30 liters more water are needed to fill the tank completely, find the capacity of the tank. [5]

18. The area of the shaded rectangle is the same as the area of the shaded triangle. Find the perimeter of the rectangle. (Drawings are not to scale.) [5]



19. Sam bought 3 shirts and 2 pairs of pants for \$67.30. Each pair of pants costs \$2.40 more than each shirt. What was the cost of 1 pair of pants? [5]

20. Abe, Barry, and Carlos have 256 marbles altogether. The ratio of Abe's marbles to Barry's marbles is 4 : 3. Barry has 14 more marbles than Carlos. How many marbles does Abe have? [5]

Answer Key

1. (a) 9,643,211
(b) nine million, six hundred forty-three thousand, two hundred eleven
2. (a) 11,000 (b) 900 (c) 35,000
3. (a) 0 (b) 800 (c) 10
4. (a) 538,216 (b) 221,904
(c) 96 (d) 32
5. (a) $6\frac{11}{15}$ (b) $2\frac{4}{9}$
(c) $\frac{1}{4}$ (d) $\frac{3}{32}$
6. (a) 288 (b) 184 (c) 220
7. (a) 76 (b) 23 (c) 58
8. (a) $\frac{3}{8}$ (b) $\frac{1}{8}$ (c) $\frac{1}{3}$
9. 4 : 5
10. 15
11. 52.5 cm²
12. (a) 55 m² (b) 2000 cm²
13. (a) 105° (b) 175°
14. 60 cm
15. \$175
16. \$21
17. 75 liters
18. 72 cm
19. \$14.90
20. 108

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