

## Placement Test for Singapore Primary Mathematics 3B

This test covers material taught in Primary Mathematics 3B

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Starred problems (\*) are for topics only in the US edition.

1. Use mental calculation.

(a)  $34 + 28 =$  (b)  $62 - 37 =$  [4]

(c)  $600 \times 5 =$  (d)  $3600 \div 9 =$  [4]

2. Fill in the blanks.

(a)  $5 \text{ m} - 3 \text{ m } 45 \text{ cm} =$  \_\_\_\_\_ m \_\_\_\_\_ cm [2]

(b)  $3408 \text{ m} =$  \_\_\_\_\_ km \_\_\_\_\_ m [2]

(c)  $3 \text{ kg } 250 \text{ g} - 1 \text{ kg } 600 \text{ g} =$  \_\_\_\_\_ kg \_\_\_\_\_ g [2]

(d)  $3 \text{ L } 6 \text{ ml} =$  \_\_\_\_\_ ml [2]

3. (a)  $4 \text{ L } 400 \text{ ml} + 680 \text{ ml} =$  \_\_\_\_\_ L \_\_\_\_\_ ml [2]

(b)  $5 \text{ h } 10 \text{ min} - 3 \text{ h } 25 \text{ min} =$  \_\_\_\_\_ h \_\_\_\_\_ min [2]

(c)  $1 \text{ year } 8 \text{ months} =$  \_\_\_\_\_ months [2]

(d)  $30 \text{ days} =$  \_\_\_\_\_ weeks \_\_\_\_\_ days [2]

\*4. (a)  $4 \text{ yd } 1 \text{ ft} - 1 \text{ yd } 2 \text{ ft} =$  \_\_\_\_\_ yd \_\_\_\_\_ ft [2]

(b)  $6 \text{ ft } 7 \text{ in.} + 2 \text{ ft } 10 \text{ in.} =$  \_\_\_\_\_ ft \_\_\_\_\_ in. [2]

(c)  $3 \text{ lb} - 2 \text{ lb } 5 \text{ oz} =$  \_\_\_\_\_ lb \_\_\_\_\_ oz [2]

(d)  $13 \text{ gal } 1 \text{ qt} - 2 \text{ gal } 3 \text{ qt} =$  \_\_\_\_\_ gal \_\_\_\_\_ qt [2]

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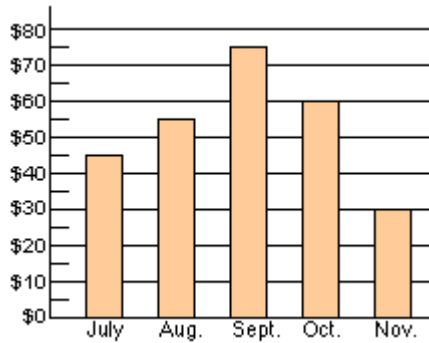
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5. A melon is 5 times as heavy as an orange. If the orange weighs 450 g, find the weight of the melon. Give your answer in kilograms and grams. [5]

6. John took 2 h 40 min to paint his room. He finished at 1:30 p.m. What time did he begin painting his room? [5]

7. String A is 85 cm long. String B is twice as long. String C is 30 cm shorter than string B. How long is string C? Give your answer in meters and centimeters. [5]

8. This bar graph shows David's savings for five months.



Use the graph to answer the following questions.

- (a) David saved \_\_\_\_\_ in August. [2]
- (b) He saved the least money in \_\_\_\_\_. [2]
- (c) In \_\_\_\_\_ he saved twice as much as in November. [2]
- (d) He saved \_\_\_\_\_ more in October than in July. [2]

9. Find the missing numbers for the top or bottom of the fractions.

(a)  $\frac{2}{3} = \frac{\square}{12} = \frac{4}{\square}$  (b)  $\frac{6}{18} = \frac{\square}{6} = \frac{1}{\square}$  [4]

10. Circle the larger fraction.

(a)  $\frac{4}{5}$      $\frac{4}{9}$  (b)  $\frac{2}{3}$      $\frac{5}{6}$  [2]

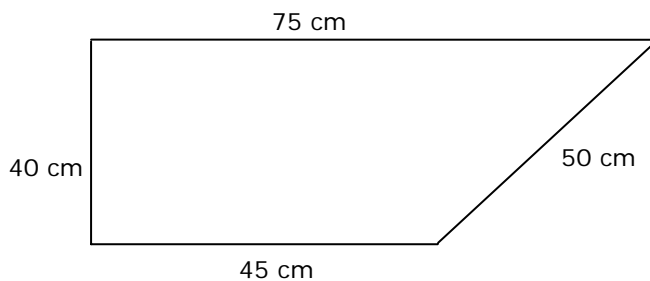
11. Peter, Sam, and Mary shared a pizza. Peter and Sam each had  $\frac{2}{5}$  of the pizza. How much pizza did Mary have? [4]

12. Melissa ate  $\frac{2}{6}$  of a pie. Sara ate  $\frac{1}{2}$  of the pie.

(a) Who ate a bigger portion of the pie? [2]

(b) How much pie was left over? [2]

13.



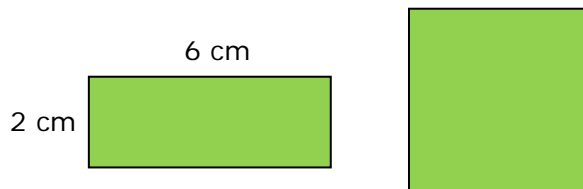
(a) The perimeter of this figure in centimeters is \_\_\_\_\_ cm [2]

(b) The perimeter in meters and centimeters is \_\_\_\_\_ m \_\_\_\_\_ cm [2]

(c) The figure has \_\_\_\_\_ right angles. [2]

14. The length of a rectangular field is 60 m and its width is 25 m. Sam ran around the field three times. How far did he run? [5]

15. The rectangle and the square have the same perimeter. The length of the rectangle is 6 cm, and its width is 2 cm. Find their areas.



- (a) The area of the rectangle is \_\_\_\_\_ . [3]
- (b) The area of the square is \_\_\_\_\_ . [2]

16. Mary made 465 rolls. She gave away 15 rolls and sold the rest at 6 for \$1. How much money did she receive? [5]

\*17. Peter weighs 40 lb 10 oz. Paul weighs 1 lb 12 oz less than Peter. [5]  
Mary weighs 2 lb 4 oz more than Paul. What is the total weight of  
the three children?

\*18. The length of board A is 3 ft 4 inches. The length of board B is 45 [5]  
inches. Which is longer? How much longer?

## Answer Key

1. (a) 62 (b) 25  
(c) 3000 (d) 400
2. (a) 1 m 55 cm (b) 3 km 408 m  
(c) 1 kg 650 g (d) 3006 ml
3. (e) 5 L 80 ml (f) 1 h 45 min  
(g) 20 months (h) 4 weeks 2 days
- \*4. (i) 2 yd 2 ft (j) 9 ft 5 in.  
(k) 0 lb 11 oz (l) 10 gal 2 qt
5. 2 kg 250 g
6. 10:50 a.m.
7. 1 m 40 cm
8. (a) \$55 (b) Nov.  
(c) Oct. (d) \$15
9. (a) 8; 6 (b) 2; 3
10. (a)  $\frac{4}{5}$  (b)  $\frac{5}{6}$
11.  $\frac{1}{5}$
12. (a) Sara (b)  $\frac{1}{6}$
13. (a) 210 (b) 2 m 10 cm  
(c) 2
14. 510 m
15. (a) 12 cm<sup>2</sup> (b) 16 cm<sup>2</sup>
16. \$75
- \*17. 120 lb 10 oz
- \*18. B is 5 in. longer

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