Placement Test for Singapore Primary Mathematics 3B

1.	Use mental calculation.	
	(a) 34 + 28 = (b) 62 − 37 =	[4]
	(c) 600 x 5 = (d) 3600 ÷ 9 =	[4]

2.   Fill in the blanks.

(a)   5 m – 3 m 45 cm = _____ m _____ cm   [2]

(b)   3408 m = _____ km _____ m   [2]

(c)   3 kg 250 g – 1 kg 600 g = _____ kg _____ g   [2]

(d)   3 L 6 ml = _____ ml   [2]

(e)   4 L 400 ml + 680 ml = _____ L _____ ml   [2]

(f)   5 h 10 min – 3 h 25 min = _____ h _____ min   [2]

(g)   1 year 8 months = _____ months   [2]

(h)   30 days = _____ weeks _____ days   [2]

(i)   4 yd 1 ft – 1 yd 2 ft = _____ yd _____ ft   [2]

(j)   6 ft 7 in. + 2 ft 10 in. = _____ ft _____ in.   [2]

(k)   3 lb – 2 lb 5 oz = _____ lb _____ oz   [2]

(l)   13 gal 1 qt – 2 gal 3 qt = _____ gal _____ qt   [2]

3. 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]

4. 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]

5. 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]

6. This bar graph shows David's savings for five months.
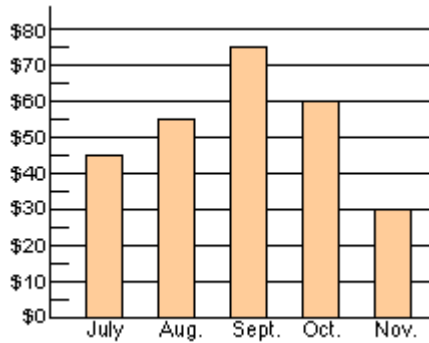
Use the graph to answer the following questions.

(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]

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

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

8. Circle the larger fraction.

(a) $\dfrac{4}{5}$ $\dfrac{4}{9}$ (b) $\dfrac{2}{3}$ $\dfrac{5}{6}$ [2]
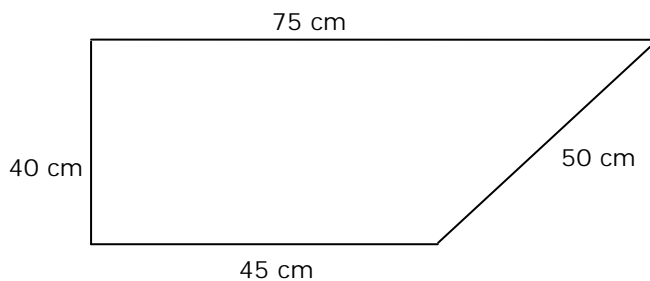
9. Peter, Sam, and Mary shared a pizza. Peter and Sam each had $\frac{2}{5}$ of the pizza. How much pizza did Mary have? [4]

10. 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]

11.

75 cm

40 cm

50 cm

45 cm

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

   (b) The perimeter in meters and centimeters [2]

   is _____ m _____ cm

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

12.	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]

13. 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.

6 cm

2 cm
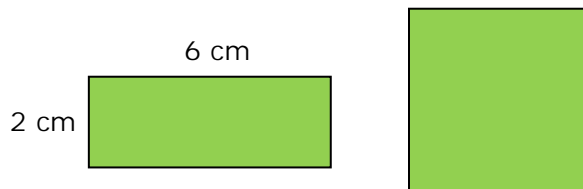
(a)   The area of the rectangle is _____.   [3]

(b)   The area of the square is _____.   [2]

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

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

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

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
   (e) **5** L **80** ml   (f) **1** h **45** min
   (g) **20** months   (h) **4** weeks **2** days
   (i) **2** yd **2** ft   (j) **9** ft **5** in.
   (k) **0** lb **11** oz   (l) **10** gal **2** qt

3. 2 kg 250 g

4. 10:50 a.m.

5. 1 m 40 cm

6. (a) $55   (b) Nov.
   (c) Oct.   (d) $15

7. (a) 8; 6   (b) 2; 3

8. (a) $\frac{4}{5}$ (b) $\frac{5}{6}$

9. $\frac{1}{5}$

10. (a) Sara   (b) $\frac{1}{6}$

11. (a) 210   (b) **2** m **10** cm
    (c) 2

12. 510 m

13. (a) 12 cm^2 (b) 16 cm^2

14. $75

15. 120 lb 10 oz

16. B is 5 in. longer