

Review 4

70

Choose the correct answer and write its number in the brackets provided.

[7 marks]

- Express 10.037 km in kilometres and metres.

(1) 10 km 37 m	(3) 100 km 37 m	
(2) 10 km 370 m	(4) 100 km 370 m	()

- $8 \div 1000 = \underline{\hspace{2cm}}$

(1) 0.008	(3) 0.8	
(2) 0.08	(4) 8000	()

- What is the value of 56.5×600 ?


(1) 3390	(3) 339 000	
(2) 33 900	(4) 3 390 000	()

- Convert 49.7 cm to metres (m).

(1) 0.0497 m	(3) 4.97 m	
(2) 0.497 m	(4) 4970 m	()

- A bag of sugar has a mass of 800 g. Find the total mass, in kilograms, of 25 such bags of sugar.

(1) 2 kg	(3) 200 kg	
(2) 20 kg	(4) 20 000 kg	()

-  14 kg of mangosteens cost \$16.80. How much does 1 kg of mangosteens cost?

(1) \$1.20	(3) \$23.52	
(2) \$12	(4) \$235.20	()

7. A sum of \$585 is shared equally among Kelly and her 5 sisters. Kelly uses all her money to purchase 10 similar notebooks. How much does each notebook cost?

- (1) \$9.75 (3) \$97.50
(2) \$11.70 (4) \$117 ()

8. Express $\frac{64}{400}$ as a percentage.

- (1) 4% (3) 16%
(2) 8% (4) 64% ()

9. Jack spent \$815 between the months of January and May. Find Jack's average expenditure.

- (1) \$136 (3) \$3260
(2) \$163 (4) \$4075 ()

10. Express 0.03 as a percentage.


- (1) 3% (3) 33%
(2) 30% (4) 300% ()

11. The average score of a maths test in a class is 72. Find the total score if there are 32 students in the class.

- (1) 104 (3) 2304
(2) 1656 (4) 2340 ()

12. After 10% of the visitors had left a museum, there were still 180 visitors. How many visitors were there at first?

- (1) 162 (3) 200
(2) 198 (4) 220 ()

 13. The sum of 7% of \$20 and 60% of \$3 is _____.

- (1) \$0.40 (3) \$12.19
(2) \$3.20 (4) \$15.41 ()

 14. Which of the following is **not** of the same length as the others?

- (1) 20% of 3 m (3) 5% of 12 m
(2) 10% of 6 m (4) 25% of 2 m ()

Write your answers on the lines provided.

15. (a) Express $470 / 500$ m/ as a decimal in litres. _____ [1 mark]

(b) Express 58 km 68 m as a decimal in kilometres. _____ [1 mark]

 16. Find $4848 \div 4000$. _____ [1 mark]

17. (a) Convert 13.405 kg to grams (g). _____ [1 mark]


(b) Convert 0.617 m to centimetres (cm). _____ [1 mark]



18. Find 7.08×500 . _____ [1 mark]

19. June uses 22 similar sticks to make a frame. The breadth of the frame requires 4 such sticks. Each stick is 7.5 cm long. What is the length, in metres, of the frame? _____ [2 marks]

20. $\times 10 \times 100 \times 1000 = 197\,000$.
What is the correct answer in the box? _____ [1 mark]

21. To obtain an answer of 8.4, Nicholas has to multiply Number A by 7 and multiply it by 10 again. What is Number A? _____ [1 mark]

 22. To enrol for a 30-hour Spanish language course, one must pay \$481.50 including the registration fee. If the language centre collected a total of \$19 260, how many people had enrolled for the Spanish language course? _____ [1 mark]

23. Express 48% as a fraction in its simplest form. _____ [1 mark]
24. William has 192 storybooks and 48 comic books. What percentage of his books are comic books? _____ [2 marks]
25. Grace is 162 cm tall. Her brother is 15 cm taller than her. What is their average height? _____ [3 marks]
26. The average height of Calvin, Adam, Edmund and Sean is 1.58 m. The average height of these four boys, Ben and Wilson is 1.6 m. Find the average height of Ben and Wilson. _____ [2 marks]
27. In a choir, $\frac{2}{5}$ of the students play the clarinet. What percentage of the students do not play the clarinet? _____ [2 marks]
-  28. Tricia saves \$315. Her brother saves 20% more than Tricia. Find their average savings. _____ [2 marks]
29. Gwen bought 4 kg of brown rice and used 65% of it within three weeks. How much brown rice had she left? Express your answer in grams. _____ [2 marks]
-  30. The average of six numbers is 8.9. The first four numbers are 6.5, 3.8, 4.1 and 7.3. Find the total of the two remaining numbers. _____ [3 marks]

Do these word problems. Show your working clearly in the space provided.

- 31.** Gerald bought a carton of 24 bottles of mineral water. Each bottle of mineral water was 330 ml. Find the total amount of mineral water in a carton. Express your answer in litres. **[1 mark]**

- 32.** Mr Jones ordered 1000 lunchboxes for a company trip. He ordered another 80 vegetarian lunchboxes for the same trip. Each lunchbox cost \$3.30 and each vegetarian lunchbox cost \$4.20. How much did Mr Jones pay for all the lunchboxes? **[2 marks]**

33. A supermarket wants to pack 500 kg of frozen chicken wings equally. Each pack of frozen chicken wings will have a mass of 20 kg.

(a) How many packs of frozen chicken wings are there? **[1 mark]**

(b) If Mrs Dalton buys 3 such packs of frozen chicken wings and each pack costs \$15.55, how much does she pay? **[1 mark]**

34. Janet buys a dozen cartons of milk, each containing 0.85 litres of milk. If her family drinks 0.75 litres of milk every day, how many millilitres of milk are left after a week? **[3 marks]**

35. The distance around a school field is 0.4 km. Zachary runs 8 rounds and Andy runs 5 rounds.

(a) Find the total distance, in metres, both boys have run. **[2 marks]**

(b) How much longer is the distance Zachary has run than Andy? **[2 marks]**

36. The table below shows how Maggie fared in her recent examinations. The average mark of her English and Mother Tongue examinations was 4 more than that of her Maths and Science examinations.

English	Mother Tongue	Maths	Science
63	74	?	55


- (a) Find the average mark of Maggie's Maths and Science examinations.

[2 marks]

- (b) How many marks did Maggie get for her Maths examination? **[2 marks]**

37. The average of five consecutive numbers is 14. Find the five numbers.

[3 marks]

 38. A factory produces 4600 pieces of clothing in a month. 35% of these clothing are shirts. 920 pieces of these clothing are shorts and the rest are dresses.

(a) How many dresses does the factory produce?

[2 marks]

(b) What percentage of these clothing are dresses?

[1 mark]



39. A worker is paid \$10.20 per hour for working overtime. This is a 20% increase from his normal wage.

(a) What is his normal hourly wage?

[2 marks]

(b) If the worker works 8 normal hours and an hour of overtime in a day, how much does he earn that day?

[2 marks]

40. Christine has \$1200 in her savings account. The bank pays her 3% interest this year. How much money will Christine have in her savings account at the end of this year?

[2 marks]