



Subject: Grade 4 Mathematics

Topic: Mathematics: Term 2 - Exam 1

Total: 87 Marks

1. false

2 marks

Explanation:

$$4\,105\text{ ml} = 4\,000\text{ ml} + 105\text{ ml} = 4\text{ litres }105\text{ ml}$$

2. B: 510g

4 marks

Explanation:

$$1\text{ kg} = 1\,000\text{ g}$$

$$1\,000\text{ g} - (350\text{ g} + 140\text{ g}) = 510\text{ g}$$

3. 3 008

3 marks

Explanation:

$$3\,000 + 8 = 3\,008$$

There are no hundreds or tens, so placeholders must be used.

4. B: $136 \div 8 = 17$

4 marks

Explanation:

$136 \div 8 = 17$ biscuits in each pack.

5. 63 | 1702

4 marks

Explanation:

$$(1) 1669 - 1606 = 63$$

$$(2) 1669 + 33 = 1702$$

6. true

2 marks

Explanation:

$$38 + 4 = 42$$

$$42 \div 6 = 7$$

The number is 7.



7. D: 7 200

4 marks

Explanation:

268 rounded off: 300

6 942 rounded off: 6 900

$$300 + 6\,900 = 7\,200$$

8. A: 1 151

4 marks

Explanation:

$$625 + 489 + 485 = 1\,599$$

Now subtract the number of pencils used during the first three terms from the number of pencils bought at the beginning of the year.

$$2\,750 - 1\,599 = \triangle$$

$$2\,750 - 1\,500 = 1\,250$$

$$1\,250 - 50 = 1\,200$$

$$1\,200 - 40 = 1\,160$$

$$1\,160 - 9 = 1\,151$$

9. A: 4 kl 595 litres

4 marks

Explanation:

$$1\text{ kl} + 3\text{ kl} = 4\text{ kl}$$

$$245\text{ litres} + 350\text{ litres} = 595\text{ litres}$$

$$4\text{ kl} + 595\text{ litres} = 4\text{ kl } 595\text{ litres}$$

10. 18 | R18 | R 18

3 marks

Explanation:

$$R90 \div 5\text{ weeks} = R18$$

11. bus | taxi

4 marks

Explanation:

The bus occupies the largest portion of the pie chart.

12. B: 16

4 marks

Explanation:

$$150 = 90 + 60$$

$$90 \div 9 = 10$$

$$60 \div 9 = 6 \text{ rem } 6$$

$$10 + 6 = 16$$

There will be 16 biscuits in each container, with 6 biscuits remaining.

13. 8 | eight

3 marks

Explanation:

An octagon is a closed shape with 8 straight sides.

Octa is the Greek word for **eight**.

Gon is the Greek word for **side**.

14. 900

3 marks

Explanation:

$$180 * 5$$

$$= (5 * 100) + (5 * 80)$$

$$= 500 + 400$$

$$= 900 \text{ passengers}$$

15. C: 7

4 marks

Explanation:

Division is repetitive subtraction.

$$49 - 7 - 7 - 7 - 7 - 7 - 7 - 7 = 0$$

$$\text{Therefore, } 49 \div 7 = 7$$

16. true

2 marks

Explanation:

$$175\text{ml} \times 3 = 525\text{ml}$$

$$525\text{ml} = 0,525 \text{ litres}$$

17. A: R18, 00

4 marks

Explanation:

There are 4 strawberry ice-creams sold, so we need to multiply R4, 50 by 4:

$$R4, 50 = R4 + 50 \text{ c}$$

$$R1 = 100 \text{ c}$$

$$\text{so } R4 = 400 \text{ c}$$

$$\text{so } R4 \times 4 = 400 \text{ c} \times 4 = 1\,600 \text{ c}$$

$$\text{and } 4 \times 50 \text{ c} = 200 \text{ c}$$

$$\text{and } 1\,600 \text{ c} + 200 \text{ c} = 1\,800 \text{ c} \\ = R18$$

18. 16 | 4 | 10

6 marks

Explanation:

First vertical column: Add 2

Second vertical column: Stays 4

Fourth vertical column: Add the same number

19. 5,2 | 5,200

3 marks

Explanation:

Each division is 200 ml (0, 200 litres).

$$5 \text{ litres} + 200 \text{ ml} = 5, 200 \text{ litres}$$

When writing decimal numbers, or rands and cents, you must use a comma and not a full stop.

20. rectangle | triangle

4 marks

Explanation:

1. Shape A is a rectangle. It has four straight sides. The two opposite sides are equal in length.

2. Shape B is a triangle. It has three straight sides.

21. true

2 marks

Explanation:

$$R60 \times 5 = R300$$

22. 4 400

3 marks

Explanation:

9 213 rounded off to the nearest hundred: 9 200

4 789 rounded off to the nearest hundred: 4 800

Therefore:

$$9\,200 - 4\,800 = 4\,400$$

23. smaller than | 1,500

4 marks

Explanation:

1 litre = 1 000ml

so: 0,546l = 546ml and 546ml is smaller than 564ml

$$2\,000\text{ml (2 litres)} - 500\text{ml} = 1\,500\text{ml}$$

24. C: 0,25 0,5 0,7

4 marks

Explanation:

$$0,25 = \frac{25}{100}$$

$$0,5 = \frac{5}{10} = \frac{50}{100}$$

$$0,7 = \frac{7}{10} = \frac{70}{100}$$

From small to large:

$$\frac{25}{100} \quad \frac{50}{100} \quad \frac{70}{100}$$

0,25 0,5 0,7

25. 100

3 marks

Explanation:

The highest is B with 300 cans. Second was D with 200 cans.

$$300 - 200 = 100 \text{ cans}$$

Total: 87 Marks