



Subject: Grade 5 Mathematics

Topic: Mathematics: Term 2 - Exam 1

Total: 98 Marks

1. six | twelve

4 marks

Explanation:

The flat sides are known as the faces of the shape. A rectangular prism has 6 rectangular faces and 12 edges.

2. A: 5 ; 13 ; 29 ; 47

4 marks

Explanation:

The numbers 5 ; 13 ; 29 and 47 are prime numbers.

A prime number can be divided evenly only by 1 or itself.

3. 70

3 marks

Explanation:

The capacity of test tube B is 70 *ml*.

The largest amount of liquid that can be put into test tube B is 70 *ml*.

4. 40

3 marks

Explanation:

$$20\text{ ml} + 20\text{ ml} = 40\text{ ml}$$

5. 0, 746 | 4 250

4 marks

Explanation:

$$746 \div 1\,000 = 0,746 \text{ litres}$$

$$4,25 \times 1\,000 = 4\,250\text{g}$$

6. 449 000

3 marks

Explanation:

The thousands digit is 8. The number after it is 5. This means that we round up to 9 and the answer is 449 000

7. C: 2 000

4 marks

Explanation:

It represents 2 thousands, which is equal to 2 000.



8. 986 543 | 345 689

4 marks

Explanation:

To write the largest number, using these digits, we start with the largest number first and work our way down. This means that we start with 9, then 8, then 6, then 5, then 4 and then 3. This will give us 986 543.

To write the smallest number, using these digits, we start with the smallest number first and work our way up. This means that we start with 3, then 4, then 5, then 6, then 8 and then 9. This will give us 345 689.

9. true

2 marks

Explanation:

When I **share** the 270 chocolates into the 3 boxes, I have to **divide** the 270 by 3 to know how many chocolates will be in each box.

$$270 \div 3 = 90$$

10. B: 5 554

4 marks

Explanation:

The numbers increase by 1 000 each time.

Add 1 000 to 4 554 to get 5 554.

11. 750 | 5,25

4 marks

Explanation:

$$250 \text{ ml} \times 3 = 750 \text{ ml}$$

Steven drinks 750 *ml* of juice every day.

$$750 \text{ ml} \times 7 = 5\,250 \text{ ml}.$$

Steven drinks 5 250 *ml* or 5,25 *l* of juice per week.

12. D: 0

4 marks

Explanation:

A sphere does not have any vertices because it is round.

13. A: 585

4 marks

Explanation:

$$\frac{1}{9} \times 1\,053 = 1\,053 \div 9 \\ = 117$$

$$\frac{5}{9} = 5 \times \frac{1}{9}$$

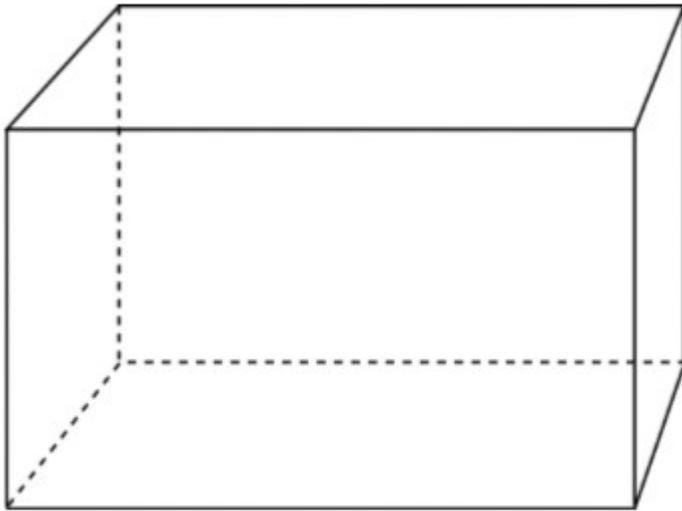
$$\frac{5}{9} \times 1\,053 = 5 \times 117 \\ = 585$$

14. rectangular | rectangle | cuboid

3 marks

Explanation:

A rectangular prism is made up of 4 rectangles and 2 squares.



15. 20 | 10

4 marks

Explanation:

$$1. \, 4 \times 10 = 40 \\ 40 \times \mathbf{20} = 800$$

$$2. \, 8 \times 10 = 80 \\ 80 \times \mathbf{10} = 800$$

16. false

2 marks

Explanation:

When we **double** a number, we are **multiplying the number by 2 or adding the number twice**.

$$184 + 184 = 368$$

$$184 \times 2 = 368$$

17. 6

3 marks

Explanation:

$$6 \times 9 = 54;$$

$$6 \times 8 = 48;$$

$$6 \times 7 = 42;$$

$$6 \times 6 = 36;$$

$$6 \times 5 = 30;$$

$$6 \times 4 = 24.$$

18. 2

3 marks

Explanation:

$$1\,787 - 1\,785 = 2$$

$$1\,789 - 1\,787 = 2$$

$$1\,791 - 1\,789 = 2$$

$$1\,793 - 1\,791 = 2$$

The difference between each number on the number line is 2.
The number line counts forwards in 2s.

19. 5 999

3 marks

Explanation:

The thousands are the same, so we compare the hundreds.

5 899 is the smallest with 8 hundreds.

That leaves 5 999 and 5 989. 5 999 is the largest number as it has a tens value of 9 and not 8 (5 989).

$$5\,999 > 5\,989 \text{ and } 5\,989 > 5\,899.$$

20. bus | taxi

4 marks

Explanation:

The bus occupies the largest portion of the pie chart and the taxi the least.

21. 6 | six

3 marks

Explanation:

A cube has 6 flat faces.

22. false

2 marks

Explanation:

BODMAS rule - Always do multiplication before addition, hence $15 \times 10 = 150$

$$150 + 25 = 175$$

23. true

2 marks

Explanation:

In this pattern, we are counting forward.
We add 3 to each number.

$$4\,452 + 3 = 4\,454$$

24. C: 750 kilograms

4 marks

Explanation:

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

$$1\,000\text{kg} \div 4 = 250\text{kg}$$

$$250\text{kg} \times 3 = 750\text{kg}$$

25. 550

3 marks

Explanation:

$$800 - 250 = 550$$

I have 550 *ml* of tea left in my teapot.

This is enough for me to make two more cups of tea.

26. 18 | 13

4 marks

Explanation:

The rule is to add 9 to the input.

$$9 + 9 = 18$$

$$4 + 9 = 13$$

27. 2 750 | 2750

3 marks

Explanation:

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

$$2\text{kg} = 2\,000\text{g}$$

$$0,75\text{g} = \frac{3}{4}\text{g}$$

$$\frac{3}{4} \text{ of } 1\,000 = 750\text{g}$$

$$2\,000 + 750 = 2\,750\text{g}$$

28. 4 290

3 marks

Explanation:

$$4\,390 - 100 = 4\,290$$

29. false

2 marks

Explanation:

You cannot divide a smaller number by a larger number without getting decimals.

The two equations are not equal.

30. 840

3 marks

Explanation:

$$340\text{ ml} + 500\text{ ml} = 840\text{ ml}$$

Total: 98 Marks