

DAWSAN'S
MATHS EXPRESS

S.Edwards and D.Williams

*Animal
Calculations*



NAME



DAWSAN'S
Maths
EXPRESS


S. Edwards & D. Williams

These fun calculations are devised
to be to be used in conjunction with the
Dawsan's Maths Dictionary.

Task 1

Maths Vocabulary

In order to answer these questions you may need to refer to your Dawson's Maths Dictionary. The words that are printed **boldly** are your dictionary references. Once you have completed all the questions, take the first letter of each word and it will spell out the name of the 2 most endangered species of animals.

1. The special **word** that is the name given to the number 13. _____
2. The meaning of the abbreviation L.C.M _____
3. The name given to an **angle** that is smaller than 90° _____
4. Another name for **vulgar fractions**. _____
5. The name given to this **quadrilateral**:  _____
6. The name given to an **angle** that is greater than 180° _____
7. The name given to a **polygon** with 6 sides. _____
8. A **prefix** for the number 20 _____
9. Name given to the number written on the top of a **fraction**. _____
10. Name of an **angle** that is $>$ than 90° but $<$ than 180° . _____
11. **Special word** for 12 dozen. _____
12. Name given to a **triangle** with 2 sides equal and 2 angles equal. _____
13. Length x breadth is the formula for calculating ... _____
14. The value of the **prefix** nona. _____
15. In **time**, the number of weeks in a fortnight. _____
16. Name of a **graph** drawn in the shape of a circle. _____
17. Name of the 4th month of the year. _____
18. Another word for **zero**. _____
19. In **time**, the name given to a period of 10 years. _____
20. The meaning of the **symbol** \approx _____

The two most endangered animal species in the world are the

_____ and _____

Task 2

Animal Heavy-Weights

Find the answers to the ten sums printed below the table. Thereafter complete the table in order to reveal the mass of each of the following types of animals.

African Elephant	Saltwater Crocodile	Giraffe	Water Buffalo	Horse
White Rhino	Walrus	Wildebeest	Hippopotamus	Black Rhino

1. African Elephant: $17 \times 500 =$ _____ kg
2. Saltwater Crocodile: $3\,925 \div 5 =$ _____ kg
3. Giraffe: $(1 \times 1\,000) + (4 \times 100) =$ _____ kg
4. Water Buffalo $11 \times 7 \times 100 =$ _____ kg
5. Horse $\frac{1}{3}$ of $1\,350 =$ _____ kg
6. White Rhino $2\,500 - 150 =$ _____ kg
7. Walrus $50 \times 24 =$ _____ kg
8. Wildebeest $6\,400 \div 4 =$ _____ kg
9. Hippopotamus $0,5$ of $5\,000 =$ _____ kg
10. Black Rhino $(11 \times 100) + (5 \times 10) =$ _____ kg

Now solve the following problems:

1. If the average weight of a large dog is 30kg, how many dogs would it take to equal the weight of a walrus? _____
2. Find the difference between the weight of a White Rhino and that of a Black Rhino.

3. Find the total mass of an African Elephant, a hippopotamus, a wildebeest and a walrus.



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Answers

Task 1

Maths Vocabulary

In order to answer these questions you may need to refer to your Dawsan's Maths Dictionary. The words that are printed **boldly** are your dictionary references. Once you have completed all the questions, take the first letter of each word and it will spell out the name of the 2 most endangered species of animals.

- | | |
|--|-------------------------------|
| 1. The special word that is the name given to the number 13. | Baker's Dozen |
| 2. The meaning of the abbreviation L.C.M | Lowest Common Multiple |
| 3. The name given to an angle that is smaller than 90° | Acute |
| 4. Another name for vulgar fractions . | Common Fractions |
| 5. The name given to this quadrilateral :  | Kite |
| 6. The name given to an angle that is greater than 180° | Reflex |
| 7. The name given to a polygon with 6 sides. | Hexagon |
| 8. A prefix for the number 20. | Icos |
| 9. Name given to the number written on the top of a fraction . | Numerator |
| 10. Name of an angle that is $>$ than 90° but $<$ than 180° . | Obtuse |
| 11. Special word for 12 dozen. | Gross |
| 12. Name given to a triangle with 2 sides equal and 2 angles equal. | Isosceles |
| 13. Length x breadth is the formula for calculating ... | Area |
| 14. The value of the prefix nona. | Nine |
| 15. In time , the number of weeks in a fortnight. | Two |
| 16. Name of a graph drawn in the shape of a circle. | Pie |
| 17. Name of the 4th month of the year. | April |
| 18. Another word for zero . | Nil/Nought |
| 19. In time , the name given to a period of 10 years. | Decade |
| 20. The meaning of the symbol \approx | Approximately |

The two most endangered animal species in the world are the

BLACK RHINO

and

GIANT PANDA

Task 2

Animal Heavy-Weights

Find the answers to the ten sums printed below the table. Thereafter complete the table in order to reveal the mass of each of the following types of animals.

African Elephant 8 500kg	Saltwater Crocodile 785kg	Giraffe 1 400kg	Water Buffalo 7 700kg	Horse 450kg
White Rhino 2 350kg	Walrus 1 200kg	Wildebeest 1 600kg	Hippopotamus 2 500kg	Black Rhino 1 150kg

- African Elephant: $17 \times 500 =$ 8 500 kg
- Saltwater Crocodile: $3\,925 \div 5 =$ 785 kg
- Giraffe: $(1 \times 1\,000) + (4 \times 100) =$ 1 400 kg
- Water Buffalo $11 \times 7 \times 100 =$ 7 700 kg
- Horse $\frac{1}{3}$ of 1 350 = 450 kg
- White Rhino $2\,500 - 150 =$ 2 350 kg
- Walrus $50 \times 24 =$ 1 200 kg
- Wildebeest $6\,400 \div 4 =$ 1 600 kg
- Hippopotamus $0,5$ of 5 000 = 2 500 kg
- Black Rhino $(11 \times 100) + (5 \times 10) =$ 1 150 kg

Now solve the following problems:

- If the average weight of a large dog is 30kg, how many dogs would it take to equal the weight of a walrus? 1 200 $30 + 40$ Dogs

- Find the difference between the weight of a White Rhino and that of a Black Rhino.

$$\underline{2\,350\text{kg} - 1\,150\text{kg} = 1\,200\text{kg}}$$

- Find the total mass of an African Elephant, a hippopotamus, a wildebeest and a walrus.

$$\underline{8\,500\text{kg} + 2\,500\text{kg} + 1\,600\text{kg} + 1\,200\text{kg} = 13\,800\text{kg}}$$



DAWSAN'S
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DICTIONARY

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