

Q3 (Formula) Day 25Name: _____

1. Ruth is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 3$$

Use this rule to work out the **maximum number of fish** Ruth can keep in a tank of **45 litres**. Write your answer in the space below.

_____ fish

2. John is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 5$$

Use this rule to work out the **maximum number of fish** John can keep in a tank of **135 litres**. Write your answer in the space below.

_____ fish

3. Grace is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 6$$

Use this rule to work out the **maximum number of fish** Grace can keep in a tank of **264 litres**. Write your answer in the space below.

_____ fish

4. Derek is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 8$$

Use this rule to work out the **maximum number of fish** Derek can keep in a tank of **104 litres**. Write your answer in the space below.

_____ fish

5. Clare is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 7$$

Use this rule to work out the **maximum number of fish** Clare can keep in a tank of **231 litres**. Write your answer in the space below.

_____ fish

6. Max is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 9$$

Use this rule to work out the **maximum number of fish** Max can keep in a tank of **1107 litres**. Write your answer in the space below.

_____ fish

7. Jen is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 11$$

Use this rule to work out the **Volume of tank in litres** Jen needs for her tank to accommodate **37 fish**. Write your answer in the space below.

_____ Litres

8. Pat is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 12$$

Use this rule to work out the **maximum number of fish** Pat can keep in a tank of **300 litres**. Write your answer in the space below.

_____ fish

9. Annie is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 15$$

Use this rule to work out the **Volume of tank** Annie needs for her tank to accommodate **3 fish**. Write your answer in the space below in **millilitres**.

_____ ml

10. Toby is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 13$$

Use this rule to work out the **maximum number of fish** Toby can keep in a tank of **377 litres**. Write your answer in the space below.

_____ fish

11. Gemma is buying fish for her tank. She uses the rule below to work out the maximum number of fish she can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 7$$

Use this rule to work out the **Volume of tank** Gemma needs for her tank to accommodate **11 fish**. Write your answer in the space below in **millilitres**.

_____ ml

12. Aaron is buying fish for his tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 25$$

Use this rule to work out the **maximum number of fish** Aaron can keep in a tank of **575 litres**. Write your answer in the space below.

_____ fish

Answers

- 1. 15**
- 2. 27**
- 3. 44**
- 4. 13**
- 5. 33**
- 6. 123**
- 7. 407 litres**
- 8. 25 fish**
- 9. 45000 ml**
- 10.29 fish**
- 11.77000 ml**
- 12.23 fish**