



# FRACTION OF A NUMBER PROBLEMS 1A

WORKING OUT

- 1) There are a total of 20 clownfish and angelfish in a tank.



$\frac{1}{4}$  of the fish are angelfish.

How many of each type of fish are there?

There are \_\_\_\_\_ angelfish and \_\_\_\_\_ clownfish.

- 2) Newton swims a total of 12 lengths. He swims a third of



the lengths on his front and the rest on his back.

How many lengths does he swim on his front?

He swims \_\_\_\_\_ lengths on his front.

- 3) There are 30 people on a train. A fifth of the people get



off at the next stop. How many get off the train?

\_\_\_\_\_ people get off the train.

- 4) Captain has some gold and silver coins. He has 24 coins in



all.  $\frac{1}{6}$  of his coins are gold and the rest are silver.

How many of each sort of coin does he have?

He has \_\_\_\_\_ gold and \_\_\_\_\_ silver coins.

- 5) Sally and Newton go fishing and catch 12 fish. Sally



catches  $\frac{3}{4}$  of the fish. How many does Newton catch?

Newton catches \_\_\_\_\_ fish.

- 6) There is a group of 25 puffins on an island.  $\frac{1}{5}$  of the group are adults and the rest are pufflings (puffin chicks).



How many adults and pufflings are there?

There are \_\_\_\_\_ adults and \_\_\_\_\_ pufflings.



# FRACTION OF A NUMBER PROBLEMS 1A ANSWERS

## WORKING OUT

- 1)  There are a total of 20 clownfish and angelfish in a tank.  $\frac{1}{4}$  of the fish are angelfish.  
How many of each type of fish are there?

$$\frac{1}{4} \text{ of } 20 = 5$$

$$20 - 5 = 15$$

There are 5 angelfish and 15 clownfish.

- 2)  Newton swims a total of 12 lengths. He swims a third of the lengths on his front and the rest on his back.  
How many lengths does he swim on his front?

$$\frac{1}{3} \text{ of } 12 = 4$$

He swims 4 lengths on his front.

- 3)  There are 30 people on a train. A fifth of the people get off at the next stop. How many get off the train?

$$\frac{1}{5} \text{ of } 30 = 6$$

6 people get off the train.

- 4)  Captain has some gold and silver coins. He has 24 coins in all.  $\frac{1}{6}$  of his coins are gold and the rest are silver.  
How many of each sort of coin does he have?

$$\frac{1}{6} \text{ of } 24 = 4$$

$$24 - 4 = 20$$

He has 4 gold and 20 silver coins.

- 5)  Sally and Newton go fishing and catch 12 fish. Sally catches  $\frac{3}{4}$  of the fish. How many does Newton catch?

$$\frac{3}{4} \text{ of } 12 = 9$$

$$12 - 9 = 3$$

$$\text{(or } \frac{1}{4} \text{ of } 12 = 3)$$

Newton catches 3 fish.

- 6)  There is a group of 25 puffins on an island.  $\frac{1}{5}$  of the group are adults and the rest are pufflings (puffin chicks). How many adults and pufflings are there?

$$\frac{1}{5} \text{ of } 25 = 5$$

$$25 - 5 = 20$$

There are 5 adults and 20 pufflings.