



# FRACTION OF A NUMBER PROBLEMS 1C

WORKING OUT

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



$\frac{2}{5}$  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 24 lengths. He swims a  $\frac{3}{8}$  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 60 people on a train.  $\frac{3}{10}$  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 42 coins in



all.  $\frac{2}{7}$  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 40 fish. Sally



catches  $\frac{5}{8}$  of the fish. How many does Newton catch?

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

- 6) There is a group of 75 puffins on an island.  $\frac{2}{5}$  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 1C ANSWERS

## WORKING OUT

- 1)  There are a total of 20 clownfish and angelfish in a tank.  $\frac{2}{5}$  of the fish are angelfish.  $\frac{2}{5}$  of 20 = 8  
 $20 - 8 = 12$   
 How many of each type of fish are there?  
 There are 8 angelfish and 12 clownfish.
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- 2)  Newton swims a total of 24 lengths. He swims a  $\frac{3}{8}$  of the lengths on his front and the rest on his back.  $\frac{3}{8}$  of 24 = 9  
 How many lengths does he swim on his front?  
 He swims 9 lengths on his front.
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- 3)  There are 60 people on a train.  $\frac{3}{10}$  of the people get off at the next stop. How many get off the train?  $\frac{3}{10}$  of 60 = 18  
18 people get off the train.
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- 4)  Captain has some gold and silver coins. He has 42 coins in all.  $\frac{2}{7}$  of his coins are gold and the rest are silver.  $\frac{2}{7}$  of 42 = 12  
 $42 - 12 = 30$   
 How many of each sort of coin does he have?  
 He has 12 gold and 30 silver coins.
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- 5)  Sally and Newton go fishing and catch 40 fish. Sally catches  $\frac{5}{8}$  of the fish. How many does Newton catch?  $\frac{5}{8}$  of 40 = 25  
 $40 - 25 = 15$   
 (or  $\frac{3}{8}$  of 40 = 15)  
 Newton catches 15 fish.
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- 6)  There is a group of 75 puffins on an island.  $\frac{2}{5}$  of the group are adults and the rest are pufflings (puffin chicks). How many adults and pufflings are there?  $\frac{2}{5}$  of 75 = 30  
 $75 - 30 = 45$   
 There are 30 adults and 45 pufflings.