



FRACTION OF A NUMBER PROBLEMS 1B

WORKING OUT

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



$\frac{3}{4}$ 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 24 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 60 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 42 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 36 fish. Sally



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

Newton catches _____ fish.

- 6) There is a group of 75 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 1B ANSWERS

WORKING OUT

- 1)  There are a total of 20 clownfish and angelfish in a tank. $\frac{3}{4}$ of the fish are angelfish.
How many of each type of fish are there?
There are 15 angelfish and 5 clownfish.
- $\frac{3}{4}$ of 20 = 15
 $20 - 15 = 5$
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- 2)  Newton swims a total of 24 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 8 lengths on his front.
- $\frac{1}{3}$ of 24 = 8
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- 3)  There are 60 people on a train. A fifth of the people get off at the next stop. How many get off the train?
- 12 people get off the train.
- $\frac{1}{5}$ of 60 = 12
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- 4)  Captain has some gold and silver coins. He has 42 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 7 gold and 35 silver coins.
- $\frac{1}{6}$ of 42 = 7
 $42 - 7 = 35$
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- 5)  Sally and Newton go fishing and catch 36 fish. Sally catches $\frac{3}{4}$ of the fish. How many does Newton catch?
- Newton catches 9 fish.
- $\frac{3}{4}$ of 36 = 27
 $36 - 27 = 9$
(or $\frac{1}{4}$ of 36 = 9)
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- 6)  There is a group of 75 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 15 adults and 60 pufflings.
- $\frac{1}{5}$ of 75 = 15
 $75 - 15 = 60$