1 Hattie owns 4 goldfish and two cats.
What is the ratio of goldfish to cats?
Give your answer in its simplest form.

2 Kevin is making a cup of coffee.
For every 100ml of water, he adds 20ml of milk.
What is the ratio of water to milk that Kevin use for his coffee?
Give your answer in its simplest form.

3 Daniel is making a curry for his friends.
His recipe calls for one teaspoon of chilli for every three teaspoons
of curry powder. He adds six teaspoons of curry powder.
How much chilli should he add?

4 Two in every five evening meals that Sidd eats will be vegan.
How many vegan evening meals will Sidd enjoy over the course of
15 nights?

5 Lionel won £150 on the lottery.
He gave £25 to his brother and divided the remainder between
two charities in a ratio of 3:2.
How much money did Lionel donate to each charity?

6 Sasha and Zach divide £30 in the ratio 5:1.
Sasha uses 20% of her share to buy a book.
How much money does she have left?

7 Which of the below flower names has a ratio of vowels to consonants of 1:1?

daffodil   daisy   tulip   lily   dahlia

8 Meena and Priya run one kilometre in 3 minutes and 3 minutes
and 30 seconds respectively.
What is the ratio of times for Meena and Priya?

9   What is the ratio 49:343, reduced to its simplest terms?

A 7:49   B 49:7   C 1:49   D 49:49   E 1:7

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10   A box of chocolates is divided amongst three children in the ratio 1:3:5.
The child who received the most got 15 chocolates.
How many chocolates were there in the bag?

A 21   B 24   C 27   D 18   E 30

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11   The ratio of butter to flour in a cake recipe is 3:5.
If Tom uses 600g of butter, how much flour does he use?

A 1kg   B 800g   C 750g   D 1.2kg   E 1.5kg

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12   In Year 5, the ratio of boys to girls is 6:5.
There are 66 children in Year 5.
How many are boys?

A 30   B 36   C 32   D 38   E 35

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13   The prices of three different pairs of jeans are in the ratio 4:3:1.
The most expensive pair cost £60, and the cheapest pair cost £15.
How much do the third pair of jeans cost?

A £25   B £35   C £40   D £50   E £45

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14   What is the ratio of the number of sides of a square to the number of faces on a cube?

A 1:2   B 3:7   C 2:3   D 1:4   E 1:3

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15   Olivia has a bag containing 50 stickers. She keeps five for herself and then gives one third of the remaining stickers to her sister.

Olivia then shares the remaining stickers between her friends, Flo and Seph, in the ratio 6:4. How many sweets does Seph receive?

A 18   B 10   C 15   D 12   E 14

Answers

B1	2:1
2	5:1
3	2 teaspoons
4	6
5	£75 & £50
6	£20
7	dahlia
8	6:7
9	E
10	C
11	A
12	B
13	E
14	C
15	D