

Ratio: Problem Solving

Apply

Question 1: (a) 2:3 (b) 31:37

Question 2: 36

Question 3: £11.96

Question 4: 1161

Question 5: 105°

Question 6:

$$84/6=14$$

14 is 1 part of the ratio

Therefore, there are 14 teachers

In total there are $84 + 14 = 98$ passengers

Each bus holds 30, therefore 4 buses are needed.

Question 7: £3.96

Question 8: £24

Question 9: 36 yellow and 144 white

Question 10: 157.5°

Question 11: £3.66

Question 12: 98 or 18

Question 13: 1:12:4

Question 14: 297

Question 15: £14

Question 16: £32.48

Question 17: 4:15

Question 18: £2393

Question 19: (a) Acorns (b) 20

Question 20: $\frac{10}{37}$

Question 21: 144

Question 22: 1:3

Question 23: (11,8)

Question 24: 128

Question 25: 1:6

Question 26: 16:31

Question 27: 5×10^7

Question 28: 57:4300

Question 29: 24.4%