



1. Divide \$105 in the ratio 4 : 3. [2]

**0580/41/O/N/16 Q1(a)**

2. Ahmed and Babar share 240g of sweets in the ratio 7: 3.

Calculate the amount Ahmed receives. [2]

**0580/23/M/J/15 Q1)**

3. Martha divides \$240 between spending and saving in the ratio spending : saving = 7 : 8.

Calculate the amount Martha has for spending [2]

**0580/23/O/N/11 Q1)**

4. Amol and Priya deliver 645 parcels in the ratio Amol : Priya = 11 : 4.

Calculate the number of parcels Amol delivers. [1]

**0580/42/F/M/19 Q1)(a)**

5. Ahmed, Batuk and Chand share \$1000 in the ratio 8:7:5.

5.

Calculate the amount each receives. [3]

**0580/22/F/M/15 Q9)**



6. In 2015, the energy company divided its profits in the ratio

shareholders : bonuses : development =

5: 2 : 6. In 2015, its profits were \$390 million.

Calculate the amount the company gave to

shareholders. [2]

**0580/41/M/J/17**

**Q1(d)**

7. The interior angles of a pentagon are in the ratio

4: 5: 5: 7: 9.

Find the size of the largest angle [3]

**0580/21/M/J/22 Q12)**

8. Jo and Mo share \$26.

Jo receives \$5 more than Mo.

Find the ratio Jo's money : Mo's money.

Give your answer in its simplest form.

**0580/23/O/N/21 Q16)**



9. Ralf and Susie share \$57 in the ratio 2 : 1.
- (a) Calculate the amount Ralf receives. [2]
- (b) Ralf gives \$2 to Susie. Calculate the new ratio Ralf's money : Susie's money.
- Give your answer in its simplest form. [2]

**0580/22/O/N/16 Q12)**

10. (a) A school has 240 students.
- The ratio girls : boys = 25 : 23.
- (i) Show that the number of boys is 115. [1]
- (ii) One day, there are 15 girls absent and 15 boys absent. Find the ratio girls : boys in school on this day.
- Give your answer in its simplest form. [2]

**0580/43/O/N/18 Q2)(a)**

11. Alex has \$20 and Bobbie has \$25.
- (i) Write down the ratio
- Alex's money : Bobbie's money in its simplest form. [1]
- (ii) Alex and Bobbie each spend  $\frac{1}{5}$  of their money.
- Find the ratio Alex's remaining money : Bobbie's remaining money in its simplest form. [1]
- (iii) Alex and Bobbie then each spend \$4. Find the new ratio Alex's remaining money : Bobbie's remaining money in its simplest form. [2]

**0580/42/O/N/17 Q1)(a)**



12. The Martinez family spends \$150 in the ratio

fuel : meals : gifts = 11 : 16 : 3.

(i) Show that \$15 is spent on gifts. [2]

(ii) The family buys two gifts.

The first gift costs \$8.25.

Find the ratio cost of first gift : cost of second gift.

Give your answer in its simplest form. [2]

**0580/43/O/N/12 1(b)**

13. Ali and Mo share a sum of money in the ratio

Ali : Mo = 9 : 7.

Ali receives \$600 more than Mo. Calculate how much

each receive[3] **0580/41/O/N/19 Q2)(a)**

14. Alex and Chris share sweets in the ratio

Alex : Chris = 7 : 3.

Alex receives 20 more sweets than Chris.

Work out the number of sweets Chris receives. [2]

**0580/22/O/N/20 Q12)**



15. The family visit two waterfalls, the Humboldt Falls and the Bridal Veil Falls. The ratio of the heights Humboldt Falls : Bridal Veil Falls = 5 : 1. The Humboldt Falls are 220m higher than the Bridal Veil Falls. Calculate the height of the Humboldt Falls. [2]

**0580/42/O/N/18 Q1(a)(iii)**

16. The library has DVDs on crime, adventure and science fiction.

The ratio crime : adventure : science fiction = 11 : 6 : 10.

The library has 384 more science fiction DVDs than adventure DVDs.

Calculate the number of crime DVDs the library has. [2]

**0580/41/O/N/17 Q1(b)**

### Answers

Q1) (a)(i) 60 & 45	Q2) 168	Q3) 112	Q4) 473	Q5) 400, 350, 250
Q6) 150 M	Q7) 162	Q8) 31 : 21	Q9) (a) 38 (b) 12 : 7	Q10) 11 : 10
Q11) (i) 4 : 5 (ii) 4 : 5 (iii) 3 : 4	Q12) 11:9	Q13) 2700,2100	Q14) 15	Q15) 275
16) 1056				