Question 10

$\frac{2}{3}$ of the students in a class passed their English test. $\frac{9}{14}$ of those who passed their English test were girls. 4 more boys than girls did not pass the test. If there were 42 students in the class, how many girls were there in the class?

Answer: _____

Question 11

Mrs Drew sold a total of 120 butter and chocolate chip cookies at a charity fair. Each butter cookie cost $2 and each chocolate chip cookie cost $4. She collected a total of $310. How many more butter cookies than chocolate chip cookies did she sell?

Answer: _____

Question 12

Jane and John had some marbles. After Jane gave John some marbles, he had three times as many marbles as he had at first. Jane then had half the number of marbles that John had. If they had a total of 180 marbles, how many marbles did each of them have at first?

Answers: John: _____

Jane: _____

Question 13

$\frac{3}{5}$ of a number is greater than $\frac{1}{2}$ of the same number by 12. What is the difference between the number and its 4th multiple?

Answer: _____

Question 14

Some students were divided into 3 groups. $\frac{1}{3}$ of the students from group 1 moved to group 2. 20% of the students in group 3 moved to group 2. Finally, 15 students moved from group 1 to group 3. There was now an equal number of students in each group. If there were 105 students, how many students were there in each group at first?

Answers: Group 1: _____

Group 2: _____

Group 3: _____

Question 15

In 1998, Tom was four times as old as Jack. Peter was twice of Jack's age. If Tom was 36 years old in 1998,

(a) how old would Peter be in year 2000?

(b) What would their total age be in year 2003?

Answers: (a) _____

(b) _____

Question 16

Thomas and Zack had some toy cars. They were then given an equal number of toy cars and Zack now had twice the number of toy cars as what he had at first. $\frac{2}{3}$ of Zack's toy cars were now $\frac{1}{2}$ of Thomas' toy cars. If Thomas had 36 more toy cars than Zack now,

(a) how many toy cars were given to them altogether?

(b) how many toy cars did Thomas have at first?

Answers: (a) _____

(b) _____

Question 17

Joanne sold cookies, cakes and muffins at a fair in chocolate or butter flavour. She sold 140 more cookies than cakes at the fair. $\frac{1}{5}$ of the cookies and $\frac{2}{3}$ of the cakes that she sold were chocolate-flavoured. She sold an equal number of chocolate-flavoured cookies and cakes. She also sold an equal number of butter-flavoured cakes and muffins. The number of cakes sold was $\frac{3}{4}$ the number of muffins sold.

(a) How many more butter-flavoured than chocolate-flavoured cookies, cakes and muffins were sold?

(b) If each cookie cost 50¢, each cake cost $1.50 and each muffin cost $2, how much did Joanne collect altogether?

Answers: (a) _____

(b) _____