

Word Problem Worksheet
& Solutions
Nanyang Paper
P4 Mathematics SA1 2017

Show your working clearly in the space provided for each question and write your answers in the spaces provided.

39. Matthew has $\frac{5}{9}$ as much money as Nancy. Nancy has thrice that of Pearlyn. Matthew has \$268 more than Pearlyn. How much do they have altogether?

Ans: _____

40. Sandra spent $\frac{2}{7}$ of her money on a television set. She spent the rest of her money on a refrigerator that cost \$2348 and an oven that cost \$152. How much more money did she pay for the television set than the oven?

Ans: _____

41. A box contains some red, blue and white marbles.
There is a total of 65 red marbles and blue marbles.
There is a total of 35 red marbles and white marbles.
The number of blue marbles is thrice the number of white marbles.
What fraction of the marbles is red?
Express your answer in its simplest form.

Ans: _____

42. Jane and Kathy had the same number of stickers at first. After Jane gave away 220 stickers and Kathy lost 12 stickers, Kathy had 3 times as many stickers as Jane. How many stickers did they have altogether at first?

Ans: _____

43. A florist had 300 more tulips than roses at first. She then ordered another 50 tulips and 70 roses. In the end, she had 3260 tulips and roses in all. How many roses did she have at first?

Ans: _____

Answer Key

Subject: Primary 4 Maths – Word Problems
Paper: SA1 2017

39. \$2278

40. \$848

41. $\frac{1}{4}$

42. 648 stickers

43. 1420

39. Matthew has $\frac{5}{9}$ as much money as Nancy. Nancy has thrice that of Pearlyn. Matthew has \$268 more than Pearlyn. How much do they have altogether?

Let amount Nancy has = $9u$
 Amount Matthew has $\rightarrow 5u$
 Amount Nancy has $\rightarrow 9u$
 Amount Pearlyn has $\rightarrow 3u$

Matthew's amount minus Pearlyn's = \$268
 $5u - 3u = 2u = 268$
 $u = \$134$

Total amount = $5u + 9u + 3u = 17u = 17 \times 134 = \2278

Ans: \$2278

40. Sandra spent $\frac{2}{7}$ of her money on a television set. She spent the rest of her money on a refrigerator that cost \$2348 and an oven that cost \$152. How much more money did she pay for the television set than the oven?

Let cost of television set = $2u$
 Cost of refrigerator and oven $\rightarrow \frac{5}{7} \rightarrow 5u$
 $5u = 2348 + 152 = 2500$
 $u = 500$
 Cost of television = $2u = 2 \times 500 = \$1000$
 Television set minus oven cost = $1000 - 152 = \$848$

Ans: \$848

41. A box contains some red, blue and white marbles.
 There is a total of 65 red marbles and blue marbles.
 There is a total of 35 red marbles and white marbles.
 The number of blue marbles is thrice the number of white marbles.
 What fraction of the marbles is red?
 Express your answer in its simplest form.

Difference between blue and white marbles = $65 - 35 = 30$
 Let u = number of white marbles, $3u$ = number of blue marbles
 $3u - u = 30$
 $2u = 30$
 $u = 15$ = white marbles

Number of red marbles = $35 - 15 = 20$
 Total number of marbles = $65 + 15 = 80$
 Fraction of red marbles = $20 \div 80 = \frac{1}{4}$

Ans: $\frac{1}{4}$

42. Jane and Kathy had the same number of stickers at first. After Jane gave away 220 stickers and Kathy lost 12 stickers, Kathy had 3 times as many stickers as Jane. How many stickers did they have altogether at first?

Let u = number of Jane's stickers at first

$$u - 12 = 3 \times (u - 220)$$

$$3u - u = 660 - 12$$

$$2u = 648$$

$$u = 324$$

At first they altogether had $2u$ stickers = $2 \times 324 = 648$ stickers

Ans: 648 stickers

43. A florist had 300 more tulips than roses at first. She then ordered another 50 tulips and 70 roses. In the end, she had 3260 tulips and roses in all. How many roses did she have at first?

At first, number of tulips and roses = $3260 - 50 - 70 = 3140$

At first, the number of roses = $(3140 - 300) \div 2 = 1420$

Ans: 1420
