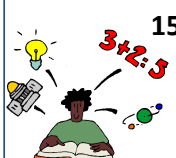


Northoaks Primary School

Primary 1 & 2
Mathematics Workshop
for Parents

15 April 2016 (Friday)



Make a List - Question 1

There are orange, blue and pink coloured balls in a basket. If Elley wants to take out 2 different coloured balls each time, how many choices does she have?

1st ball	2nd ball
orange	blue
orange	pink
blue	pink

Show your working by listing in order.

She has **3** choices.

Question 2

There are 3 students – David, Sara and Muthu. If Mr Tan wants to choose 2 students to participate in a Math Quiz, how many different choices does he have?

1st student	2nd student
David	Sara
David	Muthu
Sara	Muthu

Show your working by listing in order.

He has **3** different choices.

Question 3

At a party, coffee, tea and fruit juice are served. If Salmah wants to take 2 different types of drinks, how many choices does she have?

1st drink	2nd drink
coffee	tea
coffee	fruit juice
tea	fruit juice

Show your working by listing in order.

She has **3** choices.

Question 4

At a buffet, there are 4 choices of fruits: apple, orange, guava and mango. If Gary can only take 2 different types of fruits, how many choices does he have?

1st fruit	2nd fruit
apple	orange
apple	guava
apple	mango
orange	guava
orange	mango
guava	mango

Show your working by listing in order.

He has **6** choices.

Guess and Check - Question 1

Minimum 3 guesses

There were 36 goats and chickens in a farm. There were 122 legs altogether. How many goats are there? How many chickens are there?

No. of goats	No. of legs	No. of chickens	No. of legs	Total no. of legs	Check
18	72	18	36	108	X
19	76	17	34	110	X
22	88	14	28	116	X
25	100	11	22	122	✓

There are **25** goats and **11** chickens.

Question 2

There are 50 tricycles and bicycles in a park.
There are 126 wheels.
How many tricycles are in the park?
How many bicycles are in the park?

No. of tricycles	No. of wheels	No. of bicycles	No. of wheels	Total no. of wheels	Check
25	75	25	50	125	X
24	72	26	52	124	X
26	78	24	48	126	✓

There are **26** tricycles and **24** bicycles.

Question 3

A farmer had 30 chickens and cows. There are 82 legs.
How many chickens are there?
How many cows are there?

No. of chickens	No. of legs	No. of cows	No. of legs	Total no. of legs	Check
20	40	10	40	80	X
19	38	11	44	82	✓
18	36	12	48	84	X

There are **19** chickens and **11** cows.

Question 4

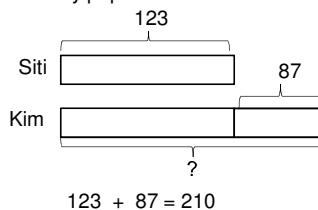
Mr Tan bought 15 tables and chairs for \$115.
Each table costs \$10.
Each chair cost \$5.
How many tables did Mr Tan buy?

No. of tables	Amount (\$)	No. of chairs	Amount (\$)	Total amount (\$)	Check
6	60	9	45	105	X
7	70	8	40	110	X
8	80	7	35	115	✓

Mr Tan bought **8** tables.

Draw a Picture - Question 1

Siti folded 123 paper cranes.
Kim folded 87 more paper cranes than Siti.
How many paper cranes did Kim fold?

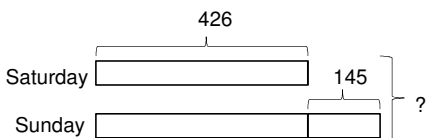


Kim folded **210** paper cranes.

Draw the **comparison model** to represent the information given.

Question 2

There were 426 visitors to the zoo on Saturday.
On Sunday, there were 145 more visitors than Saturday.
How many visitors were there on both days?



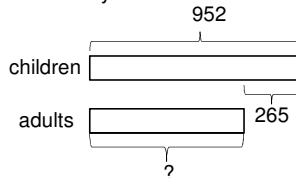
$426 + 145 = 571$
 $571 + 426 = 997$

There were **997** visitors on both days.

Draw the **comparison model** to represent the information given.

Question 3

952 children watched a musical.
265 fewer adults than children watched the musical.
How many adults watched the musical?

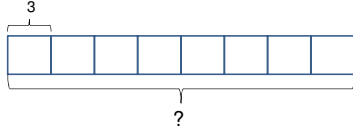


$952 - 265 = 687$
687 adults watched the musical.

Draw the **comparison model** to represent the information given.

Question 1

Ali has 8 bags.
He puts 3 marbles in each bag.
How many marbles does he have altogether?

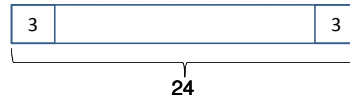


$8 \times 3 = 24$

He has **24** marbles altogether.

Question 2

Lily sews 24 dresses for her dolls.
Each doll has 3 dresses.
How many dolls does Lily have?

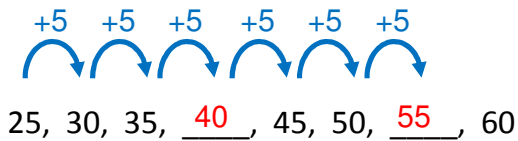


$24 \div 3 = 8$

Lily has **8** dolls.

Look for a Pattern - Question 1

Complete the number pattern below.



Pattern: Add 5

Question 2

Which pattern requires 21 matchsticks?

Pattern No.	1	2	3	7
Number of matchsticks	$1 \times 3 = 3$	$2 \times 3 = 6$	$3 \times 3 = 9$	$7 \times 3 = 21$

Question 3

Complete the number pattern below.

675, **660**, 645, 630, 615, 600, **585**, 570

Pattern: Subtract 15

Question 4

How many toothpicks will Figure 8 need?

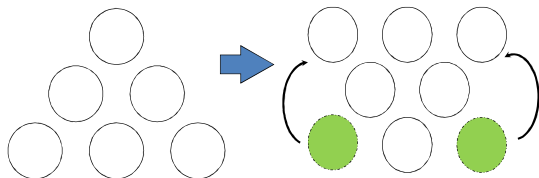
Figure	1	2	3	4
No. of toothpicks	3	$3+2 = 5$	$3+2+2 = 7$	$3+2+2+2 = 9$ OR $3+(4-1) \times 2 = 9$

Figure 8 $\rightarrow 3 + (8-1) \times 2 = 3+14 = 17$

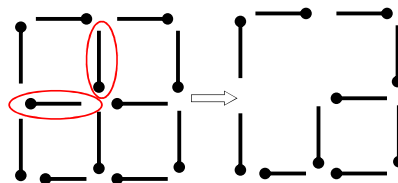
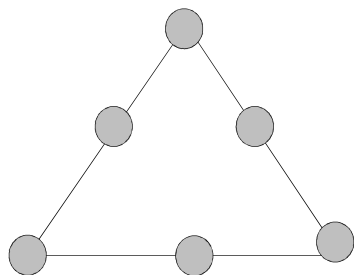
Figure 8 will need 17 toothpicks.

Act it Out - Question 1

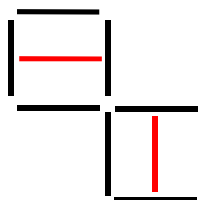
6 coins are arranged to form a triangle as shown below.
Move 2 coins to turn the triangle upside down.
Draw arrows to show how you move the coins.

**Question 2**

Remove any 2 sticks to form 2 squares.
Circle the 2 sticks.

**Question 3****Question 4**

10 toothpicks are arranged to form 3 squares.
Move only 2 toothpicks to get 4 rectangles.
Draw your answer in the space below.

**Work Backwards - Question 1**

Amy gave 25 sweets to her brother.
She gave another 35 sweets to her friend.
She then had 15 sweets left.
How many sweets did Amy have at first?

First, we will add back the number of sweets she gave to her friend:

$$15 + 35 = 50$$

Then, we will add the number of sweets she gave to her brother:

$$50 + 25 = 75$$

Amy had **75** sweets at first.

Question 2

Balu had some stickers. He bought 21 stickers.
After his mum gave him 31 stickers, he had 72 stickers.
How many stickers did he have at first?

First, we will subtract the number of stickers his mum gave him:

$$72 - 31 = 41$$

Then, we will subtract the number of stickers he bought:

$$41 - 21 = 20$$

He had **20** stickers at first.

Question 3

Belle sold 63 cookies on Monday
She sold 24 cookies on Tuesday.
She had 41 cookies left.
How many cookies did she have at first?

$$41 + 24 = 65$$

$$63 + 65 = 128$$

She had **128** cookies at first.

Question 4

Aisha had some marbles. She bought 29 marbles.
After her friend gave her 56 marbles, she had 220 marbles
How many marbles did she have at first?

$$220 - 56 = 164$$

$$164 - 29 = 135$$

She had **135** marbles at first.