Student worksheet

Focus: Reading and interpreting two-way tables

Question 1

Dessert Orders			
	Chocolate sauce	No chocolate sauce	Total
Ice-cream	9	7	16
Cake	10	4	14
Total	19	11	30

How many people ordered ice-cream?

7   9   14   16   30

Question 2

Stacey asked 100 students how many hours they study each week.

This table shows the results.

HOURS OF STUDY			
	5 HOURS OR LESS	MORE THAN 5 HOURS	TOTAL
Males	24	36	60
Females	26	14	40
Total	50	50	100

How many female students studied for 5 hours or less?

24   26   14   36
○   ○   ○   ○

Question 3

Food Brought to School

	Biscuits	Sandwich	Fruit	Cake	Noodles	Juice	Muesli bar
Max		○	○		○		
Daniel		○	○	○			
Lauren		○				○	○
Beth	○	○	○				○
Kye	○		○				
Wesley		○	○			○	

How many students brought both a sandwich and fruit to school?

Shade one bubble.

○ 2
○ 3
○ 4
○ 5
○ 8

Question 4

This is a table of the distances by road between towns in Western Australia.

Broome
2 833	Kalgoorlie				
1 813	718	Geraldton			
2 646	893	833	Albany		
2 514	921	651	132	Margaret River	
2 237	596	424	409	227	Perth

Shade one bubble.

The distance between Geraldton and Perth is 424 km.

What is the distance between Kalgoorlie and Margaret River?

○ 651 km   ○ 393 km   ○ 921 km   ○ 2 514 km

Question 3

Year 5 was in teams for a trivia quiz. Each question was worth 1 point.
Each bonus they scored was worth 4 points.

	Super Brains	Whiz Kids	Cool Dudes	Megas
Question Points	||||| ||||| ||||| |||||		||||| ||||| ||||| ||||| |||||		||||| ||||| ||||| ||||| ||	||||| ||||| ||||| ||
Bonus	||||	|||	||	|||
Total Score				

Which team won? _____

Question 4

A teacher asked 27 students to answer a survey about fishing and cricket.

Responses	Tally
I like both fishing and cricket.	||||| ||||
I like fishing but not cricket.	||||
I like cricket but not fishing.	||||| |||
I don't like either fishing or cricket.	|||||	

Zach said,

"Only four students like fishing."

Is he correct? Explain.
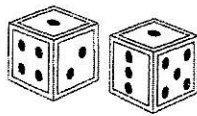
Write the answer on the lines.

_____

_____

Question 3

Two dice were rolled. The numbers on the top face of each were added. This was done 100 times.

This information was summarised.

Sum of numbers on top faces	Times rolled
2	1
3	4
4	4
5	11
6	14
7	25
8	18
9	10
10	6
11	4
12	3
TOTAL	**100**

Shade one bubble.

Which statement below is **true**?

- One-quarter of the rolls resulted in a 7.
- 0.1 of the rolls had a total of 2.
- 0.5 of the rolls resulted in a total larger than 7.
- Half of the totals were less than 7.

Question 4

A bag contains 3 blue, 2 yellow, 1 red and 4 black marbles.

Jill removes 1 marble from the bag without looking.

What is the chance Jill removes a yellow or a black marble?

$\frac{6}{10}$ $\frac{4}{10}$ $\frac{2}{10}$ $\frac{1}{2}$

Student worksheet

Focus

Expressing chance events with a numerical value
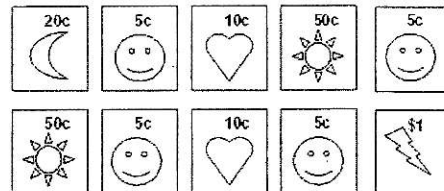
Question 1

Use the table to complete the sentence below.

Weather Predictions

Day	% Likelihood of rain
Monday	45%
Tuesday	35%
Wednesday	15%
Thursday	5%
Friday	10%

Write the answer on the line.

It is least likely to rain on _____

Question 2

Sarah turned these stamps over and mixed them up.

20c	5c	10c	50c	5c
50c	5c	10c	5c	$1

She selects one at random.

What is the chance of Sarah selecting a 5c stamp?

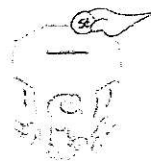1 out of 4   1 out of 5   2 out of 5   4 out of 8

Student worksheet

Focus

Reading data presented in tallies

Question 1

Money Box

Coin	Number
5c	卌 卌 |||
10c	卌 卌 卌	
20c	卌 卌 卌
50c	卌 ||
$1	||
$2		

Write the answer on the line.

How many more 20c than 50c coins are in the money box?

_____

Question 2

This tally shows how many trees were planted in different months during 2001.

A total of 21 trees were planted in

- April and May.
- May and September.
- September and October.
- April and September.

Jan	|||	Jul	
Feb	||	Aug		
Mar	|||	Sept	卌 卌
Apr	卌 |||	Oct	卌 |||
May	卌 卌		Nov	卌	
Jun		Dec	||