

NUMERACY

NON-CALCULATOR

YEAR

9

SAMPLE QUESTIONS

These sample questions illustrate some of the question types and formats which will appear in the 2008 NAPLAN.

Curriculum Corporation gratefully acknowledges the following organisations in contributing sample material to this document:

- The New South Wales Department of Education and Training
- The Western Australian Department of Education and Training
- The South Australian Department of Education and Children's Services
- The Tasmanian Department of Education
- The Australian Capital Territory Department of Education and Training;
- The Northern Territory Department of Employment Education and Training
- The Victorian Curriculum and Assessment Authority
- The Queensland Studies Authority

© 2007 State of New South Wales through the Department of Education and Training
State of Western Australia through the Department of Education and Training
Government of South Australia through the Department of Education and Children's Services
State of Tasmania through the Department of Education
Australian Capital Territory through the Department of Education and Training
Northern Territory Government through the Department of Employment Education and Training
Victorian Curriculum and Assessment Authority
Queensland Studies Authority
Curriculum Corporation on behalf of the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA)

The sample material in this document is copyright the above bodies. You may use it in accordance with the Terms set out in the Copyright Notice.

1

2.03, -2.3, -0.32, -3.2, -2.03

Shade one bubble 

When these numbers are arranged in order, what is the middle number on the list?

-2.3

-0.32

-3.2

-2.03

2

Casey Australian Antarctic Base – Temperatures in 2001



	maximum temperature (°C)
warmest day	5.0
coldest day	-26.7

Write your answer in the box. 

What was the difference in maximum temperatures between the warmest and coldest days?

°C

3

What does $4^3 - 3^2$ equal?

3

6

55

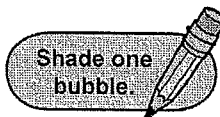
58

Shade one bubble. 

1

An elephant weighs 5000 kg. It eats 150 kg of food each day.

What percentage of its own weight does it eat each day?



0.033

3

30

33

2

Rose ran x laps of the school oval.

Sue ran 8 more laps than Rose.

Together, they ran a total of 46 laps.

Which equation represents this situation?

$x + 8 = 46$

$x - 8 = 46$

$2x + 8 = 46$

$2x - 8 = 46$

3

The table shows the number of cartons of different types of milk sold in a shop in one day.

Milk type	Full cream	High calcium	Reduced fat	Low fat	Soy
Number of cartons sold	180	130	80	65	45

What is the ratio of **Full cream** milk cartons to **Soy** milk cartons sold on that day?

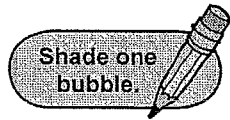
4:1

5:1

1:4

1:5

- 1 A packet contains red, green, orange, black and yellow jelly beans. The probability of choosing each colour from the packet is shown in the table below.

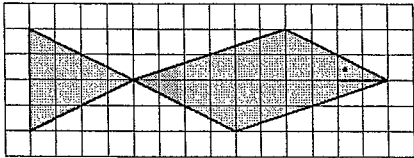


Colour	red	green	orange	black	yellow
Probability	0.25	0.20	0.15	0.10	?

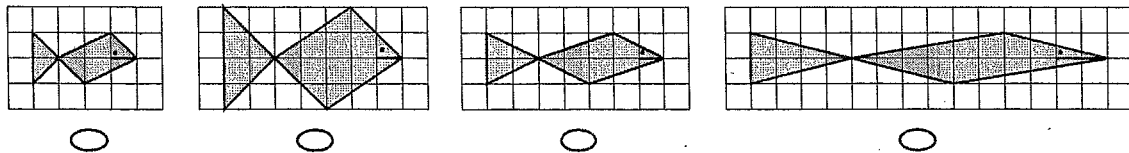
What is the probability of choosing a yellow jelly bean?

- 0.05 0.20 0.30 0.57
-

- 2 Refer to this picture of a fish.



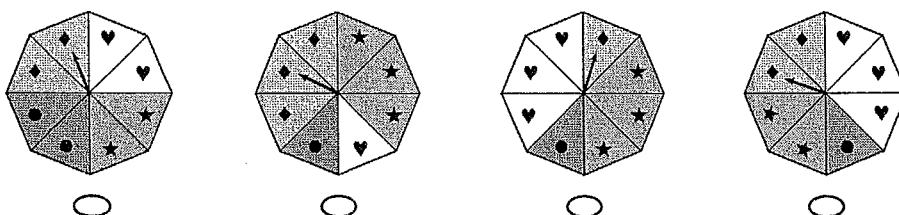
Which picture below shows the same fish multiplied by a scale factor of $\frac{1}{2}$?



- 3 Leo recorded the number of times a spinner landed on different shapes.

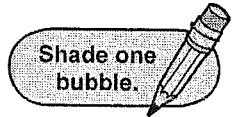
shape	number
♦	149
♥	223
●	74
★	154
total	600

Which spinner is he most likely to have used?



1 What is the missing number?

$$15.0 \times 0.4 = \boxed{?}$$



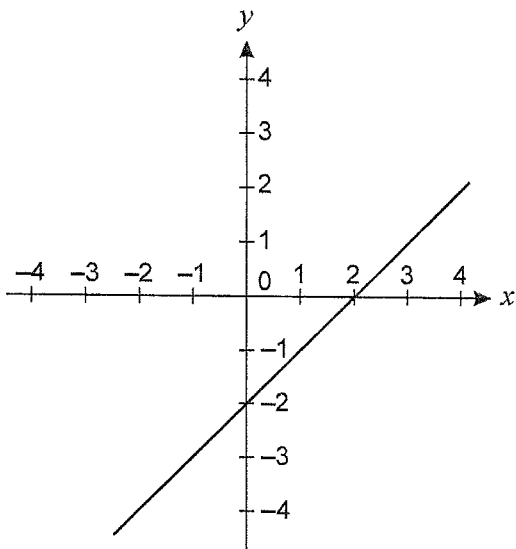
60

6

0.6

0.06

2 The equation of the graph drawn on this grid is



$y = x + 2$

$y = x - 2$

$y = 2x + 2$

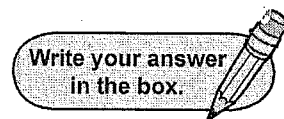
$y = 2x - 2$

3 Mike recorded the number of animals he saw at the zoo in this table.

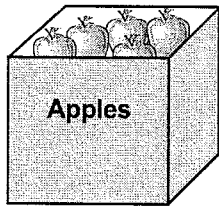
Animal	Koalas	Kangaroos	Emus	Cockatoos	TOTAL
Number	40	140	?	10	200

What percentage of the animals are emus?

%



1



Write your answer in the box.

This box contains 25 apples.
 The apples in the box weigh 5 kg.
 Jill removes 5 apples from the box.
 The weight of the 20 apples left in the box is

 kg

2

A box has 80 identically shaped blocks.
 The blocks are coloured; 20 are yellow, 30 are orange and 30 are red.
 Tom picks one block from the box without looking.
 What is the chance of him picking a red block?

Shade one bubble.

1 in 8

2 in 8

3 in 8

5 in 8

3

Which of the following has the same value as $\frac{25}{20}$?

$1\frac{5}{25}$

$1\frac{5}{20}$

$1\frac{20}{25}$

$1\frac{4}{5}$

4

How many edges does a triangular prism have?

Write your answer in the box.