

Prepare for NAPLAN Year 5 (TEST 1)

Instructions:

1. Complete questions in this preparation quiz (Test 1)
2. Have students mark their own quiz using the answer sheet provided

1

You can calculate $896 - 462$ by subtracting the hundreds, tens and ones.

$$\begin{array}{r} 896 \\ - 462 \\ \hline \end{array}$$

Mangahigh activity: *Add and subtract large numbers mentally* **X**

3. For each incorrect answer, complete the suggested 'Mangahigh activity'
4. Login to Mangahigh and use the 'Browse all activities' option, and type in the title of the Mangahigh activity. Complete the activity and earn a minimum of Bronze medal.
5. Once students have completed all Mangahigh activities previously marked as incorrect, they are ready to complete the post-prep quiz
6. Complete the post-prep quiz (Test 2)

YEAR 5 NUMERACY – TEST 1

1

You can calculate $896 - 462$ by subtracting the hundreds, tens and ones.

$$\begin{array}{r} 896 \\ - 462 \\ \hline \end{array}$$

Mangahigh activity: **Add and subtract large numbers mentally**

2

I have **2 hundreds**.

I have **8 tens**.

I have **3 ones**.

What number am I?

328

382

238

283

Mangahigh activity: **Recognise place value: hundreds, tens and units**

3

Calculate $10 \times 2 + 3 \times 2$.

Which of the following answers is correct?

80

20

26

23

Mangahigh activity: **Relate addition to multiplication**

YEAR 5 NUMERACY – TEST 1

4

288 pencils are packed into boxes of 4
Samira works out that
 $4 \times 50 = 200$ and $4 \times 22 = 88$
How many boxes are needed?

72

84

74

82

Mangahigh activity: **Divide**

5

There are 15 students in a class. 7 of them have black hair.
What fraction of students **do not** have black hair?

$\frac{8}{15}$

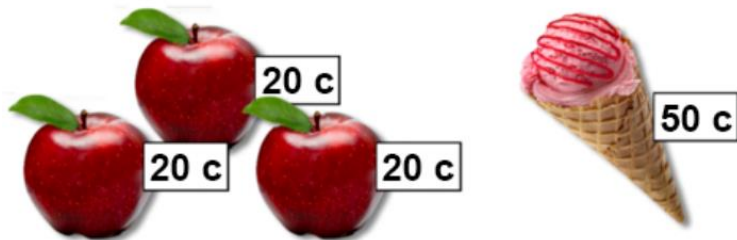
$\frac{9}{15}$

$\frac{15}{8}$

$\frac{7}{15}$

Mangahigh activity: **Use fractions**

6



David buys these things with this coin.

How much change does he get?



90c

\$1.10

70c

\$1.30

Mangahigh activity: **Work with money**

YEAR 5 NUMERACY – TEST 1

7

Which cannot be shared equally between five people?

11 cakes

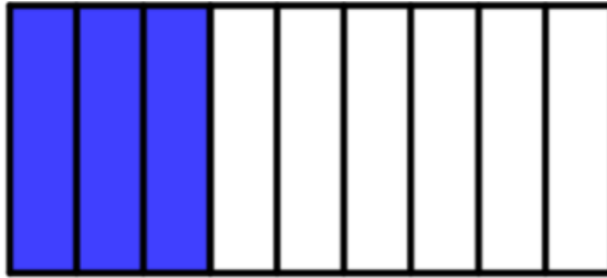
5 cakes

10 cakes

15 cakes

Mangahigh activity: *Divide by 5*

8



The diagram shows $\frac{3}{9}$ of the rectangle shaded in blue.

What is another way of writing this fraction?

$\frac{1}{6}$

$\frac{1}{3}$

$\frac{5}{12}$

$\frac{4}{9}$

Mangahigh activity: *Identify equivalent fractions*

9

Joshua thinks of a number.
He works out one eighth of the number and gets 7.
What number did Joshua think of?

56

49

15

63

Mangahigh activity: *Find the fraction of an amount – simple examples*

YEAR 5 NUMERACY – TEST 1

10

There are 60 students in Year 7.

$\frac{5}{12}$ of the pupils prefer football to volleyball.

Which **one** of the following shows many pupils prefer football?

25

15

20

35

Mangahigh activity: *Find a fraction of an amount: standard examples*

11



The number 6.53 is bigger than 6.52 but smaller than 6.54. So, it belongs at 'A' on the number line.

Which **one** of the following letters shows where 6.55 belongs on the number line?

A

B

C

D

Mangahigh activity: *Round decimals that have up to three decimal places*

12

I think of a number.

I multiply it by 1000.

The answer is 908000.

What number did I think of?

980

908

98

9080

Mangahigh activity: *Multiply and divide whole numbers by 10, 100 and 1000*

YEAR 5 NUMERACY – TEST 1

13

Chloe wants to buy a new sofa and TV.
The sofa she wants usually costs \$620 but they are currently selling it for half price.
The TV she has chosen costs \$250.
How much will they cost altogether?

\$250

\$550

\$560

\$350

Mangahigh activity: Solve addition and subtraction problems

14

Which one of the following gives the answer to $0.6 - 0.2 + 0.3$?

0.3

0.5

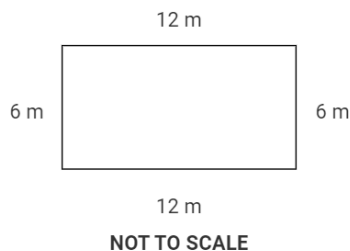
0.9

0.7

*Mangahigh activity: Add and subtract simple decimals
Add and subtract decimals*

15

The rectangle below shows the shape and measurements of a garden.



Which **one** of the following shows the distance in metres around the edge of the garden?

54cm^2

42cm^2

12cm^2

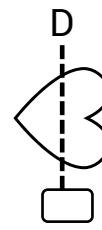
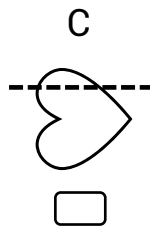
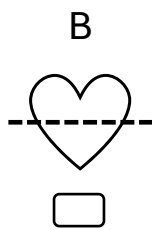
36cm^2

Mangahigh activity: Solve word problems

YEAR 5 NUMERACY – TEST 1

16

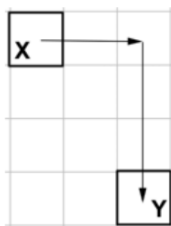
This shape has one line of symmetry. Find it.



*Mangahigh activity: Identify lines of symmetry
Identify and draw lines of symmetry*

17

A man walks from square X to square Y. The path that he takes is shown by the arrows. Which of these describes the path taken by the man?



DOWN 3 squares
RIGHT 2 squares

RIGHT 2 squares
DOWN 3 squares

RIGHT 2 squares
DOWN 2 squares

Mangahigh activity: Learn about position and direction

18

Thomas went on holiday on Thursday 17th of November.
Seven days later, the date was Thursday ____ of November.
Which one of the following words correctly completes the sentence?

24th

11th

10th

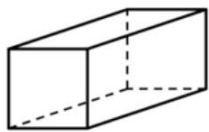
23rd

*Mangahigh activity: Work with calendars and dates
Use timetables and charts*

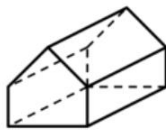
YEAR 5 NUMERACY – TEST 1

19

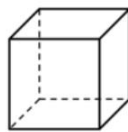
Which of these shapes has the least edges?



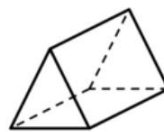
A



B



C



D

A

B

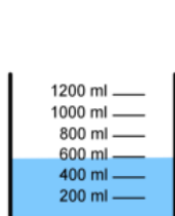
C

D

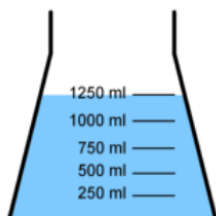
Mangahigh activity: Investigate faces, edges and vertices in 3D shapes, Learn about more properties of 2D shapes, Sort and describe shapes

20

Which contains the most water?



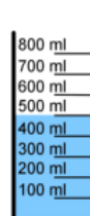
A



B



C



D

A

B

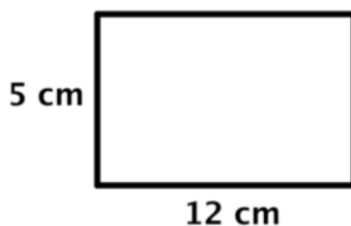
C

D

Mangahigh activity: Calculate with capacity

21

Find the perimeter of this rectangle.



60cm

34cm

32cm

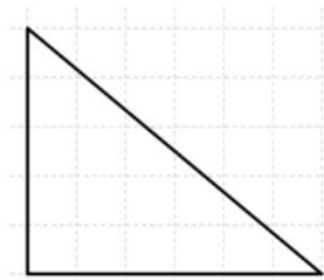
17cm

Mangahigh activity: Calculate the perimeter of complex shapes,

YEAR 5 NUMERACY – TEST 1

22

**Each small square is 1cm^2
Find the area of the triangle below.**



15cm²

13cm²

18cm²

10cm²

Mangahigh activity: Calculate the area of complex shapes by counting squares

23



**A tree is 5 m and 50 cm tall.
How tall is the tree in cm?**

55cm

55000cm

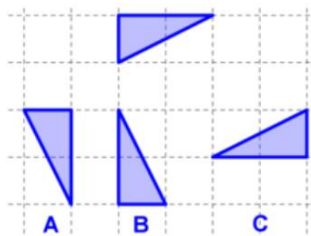
5500cm

550cm

Mangahigh activity: Convert metric units of length

24

Which diagram shows a rotation of the blue triangle by a quarter turn clockwise?



A

B

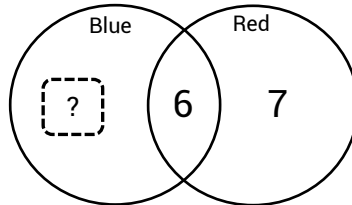
C

*Mangahigh activity: Draw shapes and patterns on a grid.
Enlarge on a grid*

YEAR 5 NUMERACY – TEST 1

25

The Venn diagram represents 18 shapes. There are 7 plain red shapes, 6 red and blue shapes, and there are some plain blue shapes. Complete this Venn diagram.



8

18

5

12

Mangahigh activity: Use Venn and Carroll Diagrams

26

A player rolls a four sided dice numbered 1 to 4 and then adds 2 to the roll to give a final score. Complete the table to show the possible outcomes.

Dice roll	1	2	3	4
Final score	3	4	5	?

4

5

6

7

Mangahigh activity: List possible outcomes from a single event

27

The hair colour of 10 students was recorded as follows: blonde, black, black, black, red, black, brown, brown, brown, blonde. What is the missing number in the table, which shows the number of brown-haired students?

Hair colour	Blonde	Brown	Black	Red
Number of students	2	?	4	1

4

5

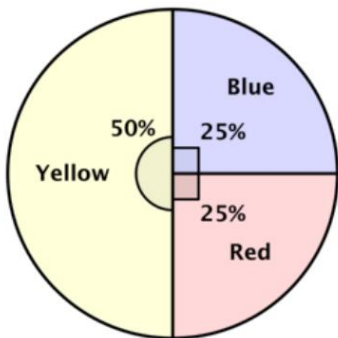
3

7

Mangahigh activity: Construct and interpret frequency tables

YEAR 5 NUMERACY – TEST 1

P28



The pie chart shows the number of coloured beads in a bag. There are 80 beads altogether.

There are ___ blue beads.

60

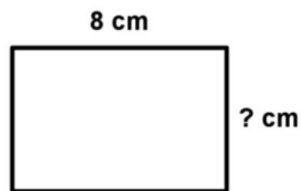
40

10

20

Mangahigh activity: Use Venn and Carroll Diagrams

29



The rectangle above has area 32 cm^2
What is the length of the missing side?

4

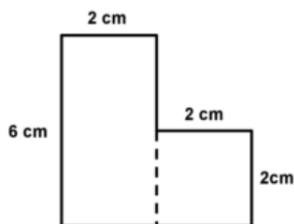
5

6

7

Mangahigh activity: Do calculations using the area of a rectangle

30



What is the area of the L shape above?

12 cm^2

14 cm^2

16 cm^2

20 cm^2

Mangahigh activity: Do calculations using the area of a rectangle

Post-preparation NAPLAN Year 5 (TEST 2)

Instructions:

Once students have completed all Mangahigh activities previously marked as incorrect, they are ready to complete the post-preparation quiz

Questions in the post-preparation NAPLAN quiz is marked as P1, P2, P3 etc.

YEAR 5 NUMERACY – TEST 2

P1

Complete the subtraction calculation.

$$\begin{array}{r} 974 \\ - 621 \\ \hline \end{array}$$

P2

What is the missing hundreds number?

$$\text{?} + 20 + 4 = 324$$

24

20

4

300

P3

Work out $5 \times 2 + 4$ by first working out 5×2 .

Which **one** of these answers is correct?

30

40

14

10

YEAR 5 NUMERACY – TEST 2

P4

633 pencils are packed into boxes of 3
David works out that
 $3 \times 200 = 600$ and $3 \times 11 = 33$
How many boxes are needed?

233

213

231

211

P5

There are 19 students in a class. 5 of them have brown hair.
What fraction of students **do not** have brown hair?

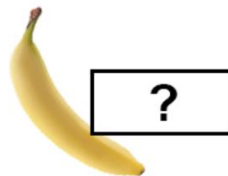
$\frac{5}{19}$

$\frac{13}{19}$

$\frac{19}{14}$

$\frac{14}{19}$

P6



The cookie and the banana together cost \$5.55
How much does the banana cost?

\$3.50

\$3.40

\$5.30

\$3.30

YEAR 5 NUMERACY – TEST 2

P7

Which cannot be shared equally between five people?

21 sweets

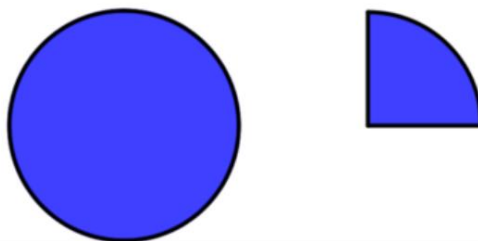
30 cakes

15 cupcakes

5 sweets

P8

How many quarters are there in $1\frac{1}{4}$?



5

7

6

4

P9

William thinks of a number.
He works out one third of the number and gets 7.
What number did William think of?

14

28

21

10

YEAR 5 NUMERACY – TEST 2

P10

Which **one** of the following is one seventh of \$3.50?

\$0.40

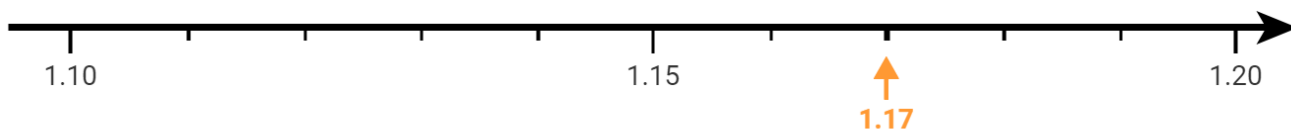
\$0.60

\$0.70

\$0.50

P11

Which **one** of the following shows 1.17 rounded to one decimal place? Use the number line to help you.



1.1

1.15

1.2

1.25

P12

$$47400 \div 1000 =$$

47

47.4

4.74

474

YEAR 5 NUMERACY – TEST 2

P13

Two toy shops are both selling the same toy car.
Shop A is selling the car for 80c. They have a 'buy 1, get 1 half price' offer.

Shop B is selling the car for 60c.

I want to buy 2 cars.

Which shop is the cheapest?

B

A

Both the same

P14

Which one of the following calculations gives an answer of 1.5?

$2.0 - 0.5$

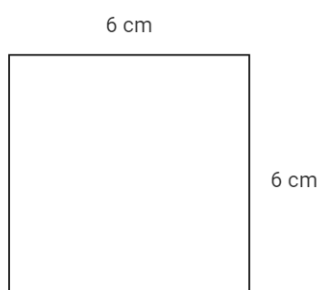
$1.4 - 0.3$

$1.2 + 0.7$

$2.0 + 0.5$

P15

Area of a square = side length \times side length
Work out the area of the square shown below.



NOT TO SCALE

Which **one** of the following shows the correct area of the square?

47

47.4

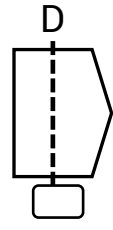
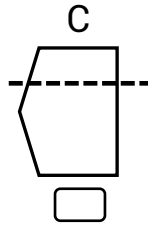
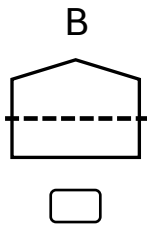
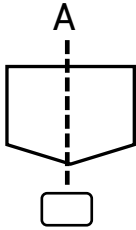
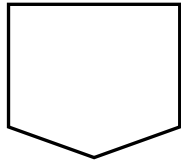
4.74

474

YEAR 5 NUMERACY – TEST 2

P16

This shape has one line of symmetry. Find it.



P17

A cross is placed in the centre of square D3. It is then moved left 2 squares and down 2 squares. Mark the new position of the cross.

5		U		S	
4					
3			X		
2					
1	T		V		
	A	B	C	D	E

S

T

U

V

P18

Jack went on holiday on Monday 15th of August.
Four days later, the date was Friday ____ of August.
Which one of the following words correctly completes the sentence?

11th

10th

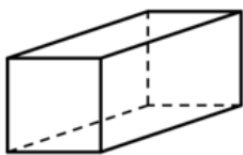
19th

20th

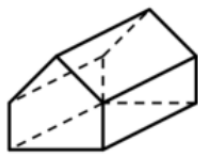
YEAR 5 NUMERACY – TEST 2

P19

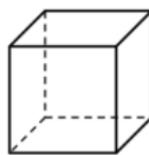
Which of these shapes has the most faces?



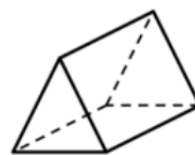
A



B



C



D

A

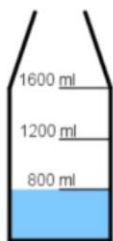
B

C

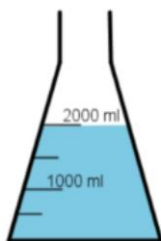
D

P20

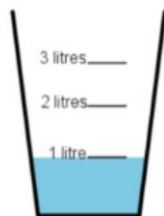
Which contains the most water?



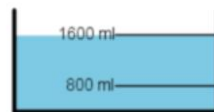
A



B



C



D

A

B

C

D

P21

Find the perimeter of this square.

5 cm



5cm

20cm

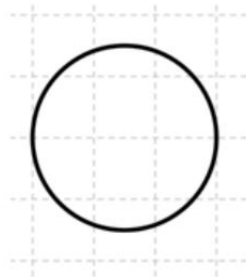
25cm

15cm

YEAR 5 NUMERACY – TEST 2

P22

Each small square is 1cm^2
Estimate the area of the circle below.



8cm^2

6cm^2

10cm^2

12cm^2

P23



A tree is 7 m and 50 cm tall.
How tall is the tree in cm?

7500cm

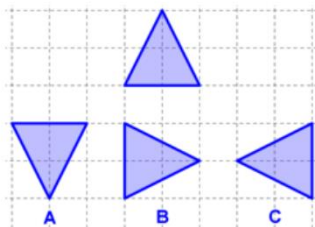
75000cm

75cm

750cm

P24

Which diagram shows a rotation of the blue triangle by a quarter turn clockwise?



A

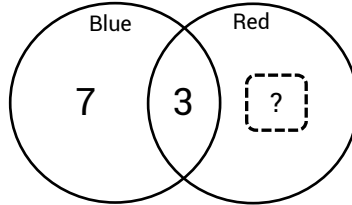
B

C

YEAR 5 NUMERACY – TEST 2

P25

The Venn diagram represents 15 shapes.
There are 7 plain blue shapes, 3 red and blue shapes, and
there are some plain red shapes.
Complete this Venn diagram.



8	5	13	12
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

P26

A player rolls a four sided dice numbered 5 to 8 and then adds
3 to the roll to give a final score.
Complete the table to show the possible outcomes.

Dice roll	5	6	7	8
Final score	8	?	10	11

4	5	9	7
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

P27

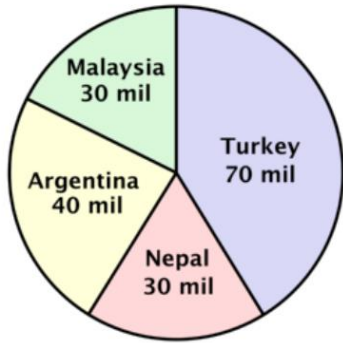
15 students were asked their favourite colour.
These were the results: red, pink, red, red, green, blue, blue, green,
red, pink, red, green, blue, red, blue.
Use these results to complete the table.

Favourite colour	Red	Blue	Green	Pink
Number of students	6	?	3	2

4	5	3	7
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

YEAR 5 NUMERACY – TEST 2

P28

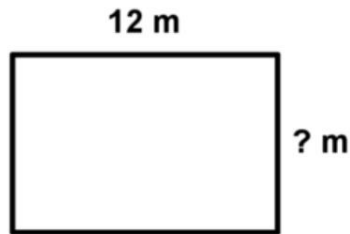


The pie chart shows the number of people that live in 4 different countries.

The country with the highest number of people is _____.

- Argentina
- Malaysia
- Nepal
- Turkey

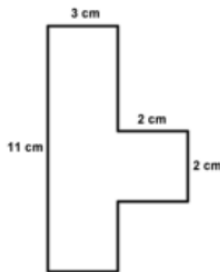
P29



The rectangle above has area 96 m^2
What is the length of the missing side?

- 4
- 8
- 9
- 7

P30



What is the area of the T shape above?

- 32cm^2
- 37cm^2
- 39cm^2
- 34cm^2

Answer sheet

TEST 1	TEST 2
1. 434	P1. 353
2. 283	P2. 300
3. 26	P3. 14
4. 72	P4. 211
5. 8/15	P5. 14/19
6. 90c	P6. \$3.40
7. 11 cakes	P7. 21 sweets
8. 1/3	P8. 5
9. 56	P9. 21
10. 25	P10. \$0.50
11. B	P11. 1.2
12. 908	P12. 47.4
13. 560	P13. Both the same
14. 0.7	P14. 2.0-0.5
15. 36	P15. 36cm ²
16. A	P16. A
17. RIGHT 2 squares DOWN 3 squares	P17. T
18. 24 th	P18. 19 th
19. D	P19. B
20. B	P20. B
21. 34cm	P21. 20cm
22. 15cm ²	P22. 6cm ²
23. 550cm	P23. 750cm
24. A	P24. B
25. 5	P25. 5
26. 6	P26. 9
27. 3	P27. 4
28. 20	P28. Turkey
29. 4	P29. B
30. 16cm ²	P30. 37cm ²