

Mangahigh NAPLAN series

Year 3

Prepare for
NAPLAN



MANGAHIGH

westermann



Instructions

There are two tests available for each level – TEST 1 and TEST 2. TEST 1 is a pre-test, and TEST 2 can be used as a post-test.

1. Complete questions in TEST 1
2. Have students mark their own test using the answer sheet provided

2

How did John get to 7?

$7 - 5$	$7 + 5$	$12 - 5$	$12 + 5$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Mangahigh activity: **Take away** ☒

3. For each incorrect answer in TEST 1, 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. Attempt TEST 2 when students have completed all relevant suggested activities.

Mangahigh NAPLAN series

Year 3

TEST 1



MANGAHIGH

westermann



YEAR 3 NUMERACY – TEST 1

1

Count these counters in 2s.



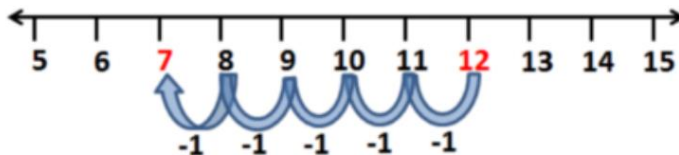
Which **one** of the following shows how many counters there are?

20

10

Mangahigh activity: **Count in 2s**

2



How did John get to 7?

$7 - 5$

$7 + 5$

$12 - 5$

$12 + 5$

Mangahigh activity: **Take away**

3



$$21 + 5 = 26$$

What else makes 26?

$20 + 5$

$20 + 7$

$5 + 21$

$5 + 20$

Mangahigh activity: **Use addition**

YEAR 3 NUMERACY – TEST 1

4

100

more than

246

is

256

246

346

356

Mangahigh activity: **Know the value of coins**

5

Here is a calendar for the month of June.

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

26

30

31

28

How many days in June?

Mangahigh activity: **Know the value of money - notes**

6

Today is Wednesday 12th of February and Jack's birthday is in one week.

His birthday is on Wednesday __ of February.

Which **one** of the following correctly completes the sentence?

21st

19th

20th

22nd

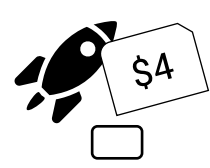
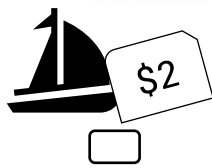
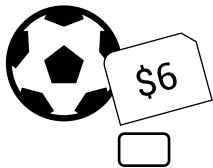
Mangahigh activity: **Use addition**

YEAR 3 NUMERACY – TEST 1

7



What can I buy?



Mangahigh activity: *Know the value of coins*

8



I pay with this note.
How much change do I get?

\$10

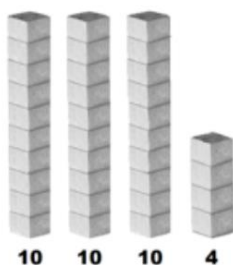
\$5

\$2

\$20

Mangahigh activity: *Know the value of money - notes*

9



14

30

31

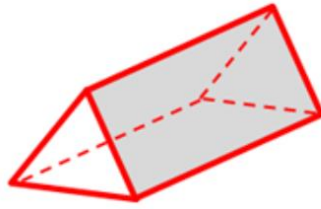
32

Take away 2 blocks.
How many left?

Mangahigh activity: *Use addition*

YEAR 3 NUMERACY – TEST 1

10



How many faces on a triangular prism?

6

5

4

3

Mangahigh activity: **Describe 3D shapes**

11

How far is the ball from the flag?



35cm

40cm

45cm

50cm

Mangahigh activity: **Measure and compare length and height**

12

Leap years happen every 4 years.

1988 was a leap year.

How many leap years are there between 1979 and 1993?

5

3

2

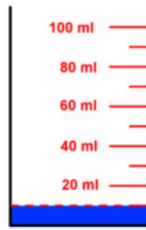
4

Mangahigh activity: **Know about days, weeks and months**

YEAR 3 NUMERACY – TEST 1

13

How much?



1000mL

1mL

10mL

100mL

Mangahigh activity: **measure capacity (litres and millilitres)**

14



Shape X



Shape Y

By how many degrees clockwise do you need to rotate Shape X so it is the same as Shape Y?

270°

90°

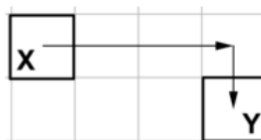
120°

180°

Mangahigh activity: **Understand rotational symmetry**

15

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?



RIGHT 2 squares
DOWN 1 square

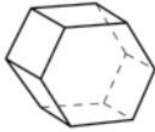
DOWN 1 square
RIGHT 3 squares

RIGHT 3 squares
DOWN 1 square

Mangahigh activity: **Learn about position and direction**

YEAR 3 NUMERACY – TEST 1

16



This is a hexagonal prism.

Complete the sentence.

A cuboid has _____ edges than a hexagonal prism.

☐

fewer

☐

more

Mangahigh activity: *Recognise a cube and cuboid*

17

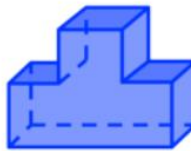
Which of these is not a 2D shape?



Shape 1



Shape 2



Shape 3



Shape 4

Shape 1

☐

Shape 2

☐

Shape 3

☐

Shape 4

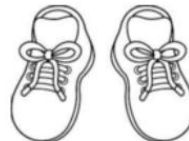
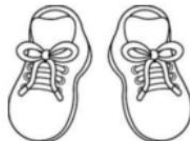
☐

Mangahigh activity: *Sort and describe shapes*

18

Harry has 4 shoes.

How many pairs does that make ?



1

☐

2

☐

3

☐

4

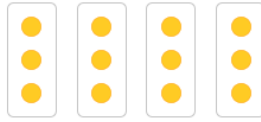
☐

Mangahigh activity: *Learn the 2 times table*

YEAR 3 NUMERACY – TEST 1

19

Jack is shown this image.



He uses it to help him complete this number sentence.

$$\underline{\quad} \times 3 = 12$$

Which **one** of the following completes the number sentence?

4

3

2

12

Mangahigh activity: **Learn the 3 times table**

20

One hand has 5 fingers.



How can you work out
the number of fingers on 6 hands ?

6 x 5

7 x 5

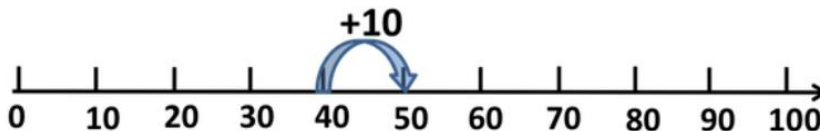
5 x 5

1 x 5

Mangahigh activity: **Learn the 5 times table**

21

40 add 10 is



50

20

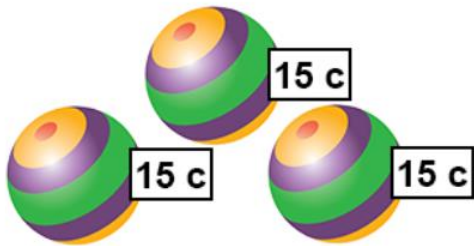
30

60

Mangahigh activity: **Count in 10s**

YEAR 3 NUMERACY – TEST 1

22



David buys these things with this coin.

How much change does he get?

- ☐ 80c
- ☐ 95c
- ☐ 85c
- ☐ \$1.05

Mangahigh activity: **Work with money**

23

Which **one** of the following numbers is next in this sequence?

3, 10, 17, 24, __

29

☐

31

☐

21

☐

27

☐

Mangahigh activity: **Continue number sequences**

24

**Sally had 85 teddies.
She was given 5 cars and 10 trains.
How many toys did she have in total?**



85



5



10

90

☐

100

☐

105

☐

95

☐

Mangahigh activity: **Count in 5s**

YEAR 3 NUMERACY – TEST 1

25



Joe eats a third of the strawberries.
How many does he eat?

2

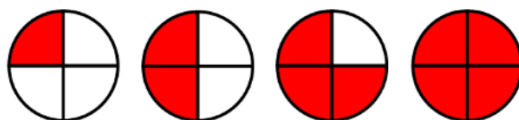
1

4

3

Mangahigh activity: Use halves, thirds and quarters

26



$\frac{1}{4}$	$\frac{2}{4}$	$\frac{?}{4}$	$\frac{4}{4}$
---------------	---------------	---------------	---------------

What fraction is missing?

$\frac{3}{4}$

$\frac{2}{4}$

$\frac{4}{4}$

$\frac{1}{4}$

Mangahigh activity: Use halves, thirds and quarters

27

Finish the sentence.
There are equal numbers of and

	Square	Triangle
Purple		
Orange		

purple triangles and
orange triangles

purple squares and
orange triangles

orange squares and
purple triangles

purple squares and
orange squares

Mangahigh activity: Interpret and construct tables

YEAR 3 NUMERACY – TEST 1

28

There are 7 balls in a bag.

You take 6 of them out and find they are all yellow.

What can you say about the colour of the last ball?

It's definitely
not yellow

☐

It is definitely
yellow

☐

It could be
yellow

☐

Mangahigh activity: **Use the language of probability**

29

The weatherman says there is a 30% chance of rain tomorrow.

How likely is it to rain tomorrow?

likely

☐

unlikely

☐

even chance

☐

impossible

☐

Mangahigh activity: **Use the language of probability**

30

The diagram shows whether children in a class have brothers or not. How many boys in the class have no brothers?

	Brothers	No brothers
Boys	6	3
Girls	5	6

5

☐

3

☐

6

☐

9

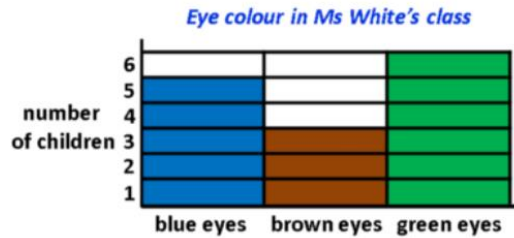
☐

Mangahigh activity: **Interpret and construct tables**

YEAR 3 NUMERACY – TEST 1

31

How many children in total?



14

6

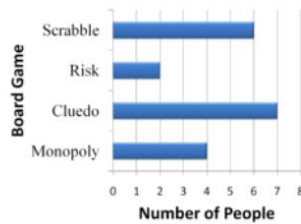
15

11

Mangahigh activity: *interpret and construct pictograms*

32

The bar chart shows the favourite board games of the children in a class. Which is the most popular board game?



Cluedo

Scrabble

Risk

Monopoly

Mangahigh activity: *Use the language of probability*

33



New pencils are 12 cm long.
What fraction of this pencil is left?

$\frac{3}{4}$

$\frac{2}{4}$

$\frac{4}{4}$

$\frac{1}{4}$

Mangahigh activity: *Use halves, thirds and quarters*

Mangahigh NAPLAN series

Year 3

TEST 2

Instructions:

- Once students have completed all Mangahigh activities marked as incorrect in TEST 1, they are now ready to attempt the post-test (TEST 2)
- Questions in TEST 2 is numbered P1, P2, P3 etc.



MANGAHIGH

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YEAR 3 NUMERACY – TEST 2

P1

Count the counters.



2, 4, 6, 8, __

Which **one** of the following numbers comes next?

10

12

14

6

P2



$$8 - 2 = \square$$

8

2

6

5

P3

$$11 + \square + 5 = 19$$

What is \square ?

2

6

9

3

YEAR 3 NUMERACY – TEST 2

P4

100 more than 358 is

258 368 458 468

P5

The table shows the number of days in the months of a leap year.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
31	29	31	30	31	30	31	31	30	31	30	31

Which **one** of the following shows how many days there are in October?

29 28 31 30

P6

James started his holiday on Thursday 7th April.
The last day of his holiday was Monday 25th April.

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

19
 13
 18
 12

Which **one** of the following shows how many days he was on holiday for?

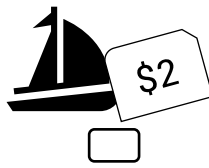
YEAR 3 NUMERACY – TEST 2

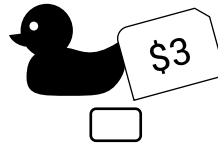
P7

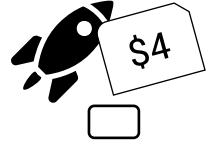


What can I buy?









P8



**I pay with this note.
How much change do I get?**

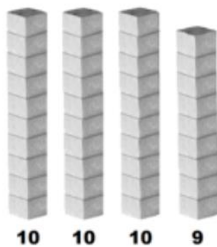
\$7

\$5

\$15

\$2

P9



10 10 10 9

**Take away 39 blocks.
How many left?**

0

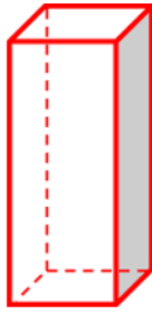
1

9

30

YEAR 3 NUMERACY – TEST 2

P10



How many faces on a cuboid?

6

5

8

4

P11

**How long is the toy snake?
Which is the best guess?**



11

12

13

14

P12

Charlotte says, "Today is 21 December. My birthday is in exactly 1 month's time."

Which one of the following is the date of Charlotte's birthday?

21 December

21 January

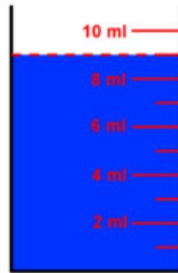
21 February

31 January

YEAR 3 NUMERACY – TEST 2

P13

How much?



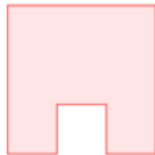
9mL

5mL

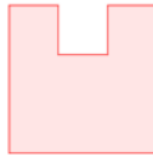
8mL

4mL

P14



Shape X



Shape Y

By how many degrees anticlockwise do you need to rotate Shape X so it is the same as Shape Y?

120°

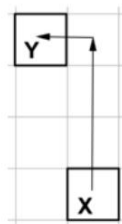
180°

90°

270°

P15

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?



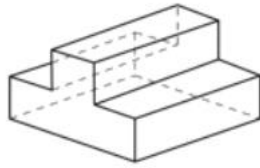
LEFT 1 square
UP 2 squares

UP 3 squares
RIGHT 1 square

UP 3 squares
LEFT 1 square

YEAR 3 NUMERACY – TEST 2

P16



This is a prism.

☐

fewer

☐

more

Complete the sentence.

A cube has _____ edges than this particular prism.

P17

A pentagon is a 2D shape that has five sides.
Which shape is a pentagon?



Shape 1



Shape 2



Shape 3

Shape 1

☐

Shape 2

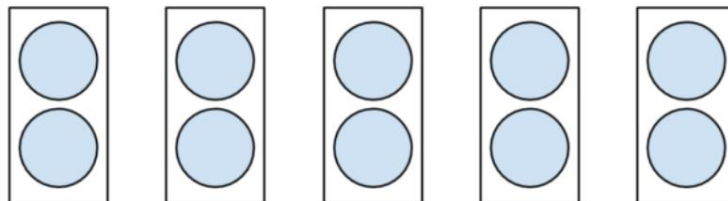
☐

Shape 3

☐

P18

$$\square \times 2 = 10$$



What's the missing number ?

1

☐

5

☐

3

☐

4

☐

YEAR 3 NUMERACY – TEST 2

P19

One group has 3 cubes.



Which **one** of the number sentences below works out the number of cubes in 3 groups?

2×3

3×3

4×3

1×3

P20

One hand has 5 fingers.



How can you work out
the number of fingers on 7 hands ?

6×5

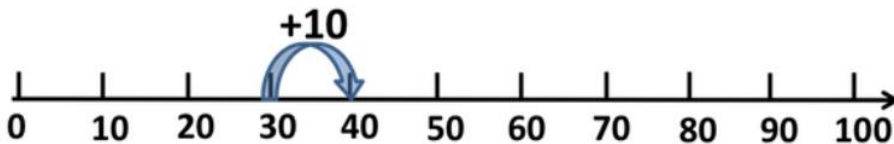
7×5

5×5

1×5

P21

30 add 10 is



50

100

20

40

YEAR 3 NUMERACY – TEST 2

P22



\$6.50



\$2.80

What is the total?

\$9.30

☐

\$9.10

☐

\$8.30

☐

\$8.90

☐

P23

Which **one** of the following numbers is next in this sequence?

18, 23, 28, 33, __

43

☐

42

☐

37

☐

38

☐

P24

Mike had 75 teddies.

He was given 5 cars and 15 trains.

How many toys did he have in total?



75



5



15

90

☐

85

☐

95

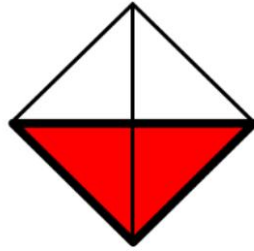
☐

105

☐

YEAR 3 NUMERACY – TEST 2

P25



$\frac{2}{4}$ of this shape is red. What fraction is the same as $\frac{2}{4}$?

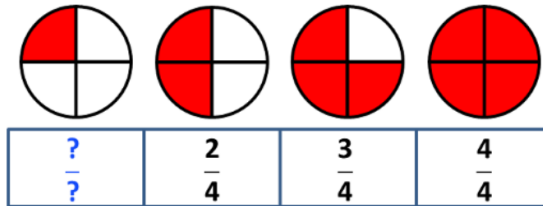
$\frac{3}{4}$

$\frac{1}{4}$

$\frac{4}{4}$

$\frac{1}{2}$

P26



What fraction is missing?

$\frac{3}{4}$

$\frac{2}{4}$

$\frac{4}{4}$

$\frac{1}{4}$

P27

Finish the sentence.
The total number of blue shapes is

	Rectangle	Circle
Pink		
Blue		

4

7

8

9

YEAR 3 NUMERACY – TEST 2

P28

There are 12 coloured balls in a bag.
There are 4 green ones and the rest are blue.
Are there more green balls or blue balls?

green balls

blue balls

P29

I roll a four sided die with faces showing the numbers 2, 4, 6 and 8.
I roll the die twice.
How likely is it that I roll an odd number twice?

impossible

certain

unlikely

likely

P30

The diagram shows whether children in a class have brothers or not. How many girls in the class have brothers?

	Brothers	No brothers
Boys	4	5
Girls	4	7

4

7

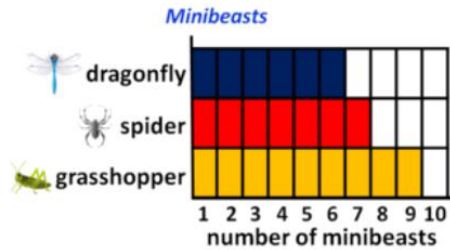
8

5

YEAR 3 NUMERACY – TEST 2

P31

Dan caught the dragonflies and spiders.
Joe caught the grasshoppers.
How many minibeasts did Dan catch?



14

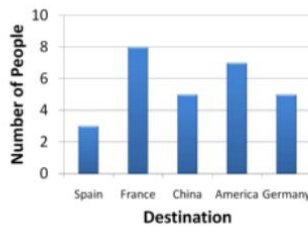
16

15

13

P32

The bar chart shows holiday destinations for a group of tourists.
How many different places are they going to in total?



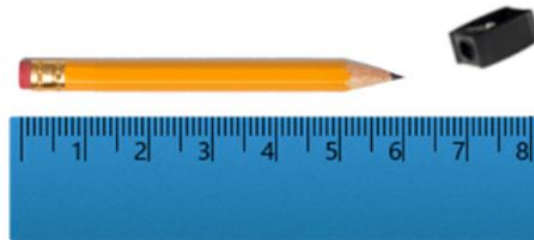
3

6

5

4

P33



New pencils are 8 cm long.
What fraction of this pencil is left?

$\frac{3}{4}$

$\frac{2}{4}$

$\frac{4}{4}$

$\frac{1}{4}$

Mangahigh NAPLAN series

Year 3

ANSWER SHEET



MANGAHIGH

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Answer sheet

TEST 1	TEST 2
1. 20	P1. 10
2. 12 - 5	P2. 6
3. 5 + 21	P3. 3
4. 346	P4. 458
5. 30	P5. 31
6. 19th	P6. 19
7. \$2	P7. \$2
8. \$10	P8. \$5
9. 32	P9. 0
10. 5	P10. 6
11. 40cm	P11. 13
12. 4	P12. 21 January
13. 10mL	P13. 9mL
14. 270°	P14. 180°
15. RIGHT 3 squares DOWN 1 square	P15. UP 3 squares LEFT 1 square
16. Fewer	P16. fewer
17. Shape 3	P17. Shape 1
18. 2	P18. 5
19. 4	P19. 3 x 3
20. 6 x 5	P20. 7 x 5
21. 50	P21. 40
22. 95c	P22. \$9.30
23. 31	P23. 38
24. 100	P24. 95
25. 1	P25. $\frac{1}{2}$
26. $\frac{3}{4}$	P26. $\frac{1}{4}$
27. Orange square purple triangle	P27. 8
28. Could be yellow	P28. blue balls
29. Unlikely	P29. impossible
30. 3	P30. 4
31. 14	P31. 13
32. Cluedo	P32. 5
33. $\frac{3}{4}$	P33. $\frac{3}{4}$