Year 3 NAPLAN-style numeracy practice test

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Name: _____ Date: _____

No calculator. Use paper for working. Suggested time: about 25 minutes.

Question 1

What is the value of the digit 4 in the number 347?

(A) 4

(B) 40

(C) 400

(D) 34

Question 2

There are 5 players in each basketball team. How many players are there altogether in 6 teams?

Answer: _____

Question 3

Mia starts swimming lessons at half past 2 in the afternoon. Which clock time shows when her lessons start?

(A) 2:15

(B) 3:30

(C) 2:45

(D) 2:30

Question 4

A shape has 4 straight sides that are all the same length and 4 square corners. What is the name of this shape?

(A) Rectangle

(B) Triangle

(C) Square

(D) Pentagon

Question 5

A bag contains 10 red marbles and no marbles of any other colour. Lily picks one marble without looking. Which word best describes the chance that she picks a red marble?

(A) Likely

(B) Unlikely

(C) Impossible

(D) Certain

Question 6

There are 47 students in the school library. Then 35 more students walk in. How many students are in the library altogether?

Answer: _____

Question 7

Look at this number pattern.

4, 8, 12, 16,

What is the missing number?

(A) 24

(B) 22

(C) 20

(D) 18

Question 8

Lena has a piece of ribbon that is 1 metre long. She cuts off 35 centimetres. How many centimetres of ribbon are left?

(Hint: 1 metre = 100 centimetres)

(A) 85 cm

(B) 75 cm

(C) 65 cm

(D) 55 cm

Question 9

An equilateral triangle has all three sides the same length and all three angles the same size. How many lines of symmetry does an equilateral triangle have?

(A) 2

(B) 4

(C) 3

(D) 1

Question 10

A teacher has 24 pencils to share equally among 3 groups. How many pencils does each group get?

Answer: _____

Question 11

The school canteen made 253 sandwiches on Monday. By lunchtime, 128 sandwiches had been sold. How many sandwiches were left?

Answer: _____

Question 12

Look at this number pattern.

95, 85, 75, 65,

What is the missing number?

(A) 55

(B) 60

(C) 50

(D) 45

Question 13

The picture graph below shows how many goals four students kicked at soccer training. Each ½ stands for 2 goals.

Student	Goals
Aiden	½½
Bridie	½½½½
Carlo	½½
Dana	½½½

How many goals did Bridie kick?

(A) 10

(B) 8

(C) 12

(D) 5

Question 14

Zara's soccer training starts at quarter past 3 in the afternoon and finishes at half past 4 in the afternoon. How long is soccer training?

(A) 1 hour 30 minutes

(B) 45 minutes

(C) 1 hour 15 minutes

(D) 1 hour

Question 15

A farmer plants 3 rows of corn. Each row has 9 plants. How many corn plants are there altogether?

Answer: _____

Question 16

Look at this number pattern.

3, 6, 12, 24,

What is the missing number?

Answer: _____

Question 17

A school collected 364 cans of food in Week 1 and 258 cans in Week 2. How many cans did the school collect altogether?

(A) 622

(B) 612

(C) 512

(D) 722

Question 18

A shape has 6 flat faces, 12 edges and 8 corners (vertices). All faces are rectangles. What is the name of this shape?

(A) Square pyramid

(B) Rectangular prism

(C) Triangular prism

(D) Cylinder

Question 19

The table below shows the number of books four students read during the school holidays.

Student	Books read
Chloe	7
Marcus	4
Priya	9
Liam	5

How many books did Chloe and Priya read altogether?

Answer: _____

Question 20

Jake's birthday is on the third Wednesday of March. The 1st of March is a Sunday. On what date is Jake's birthday?

(Hint: write out the Wednesdays in March.)

(A) 21 March

(B) 11 March

(C) 18 March

(D) 25 March

Year 3 NAPLAN-style numeracy: answers and worked solutions

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Question 1: (B) 40

In the number 347, the digits are: 3 hundreds, 4 tens, 7 ones. The digit 4 is in the tens place. 4 tens = 40. **Answer:** 40

Question 2

6 teams with 5 players each: 6 × 5 = 30. **Answer:** 30

Question 3: (D) 2:30

Half past 2 means 30 minutes after 2 o'clock. That is 2:30. **Answer:** 2:30

Question 4: (C) Square

A shape with 4 equal sides and 4 square corners is a square. A rectangle also has square corners but does not need all sides to be equal. **Answer:** Square

Question 5: (D) Certain

Every marble in the bag is red, so Lily must pick a red marble no matter what. This means it is certain to happen. **Answer:** Certain

Question 6

Add the ones: 7 + 5 = 12, write down 2 and carry 1.

Add the tens: 4 + 3 + 1 = 8.

So 47 + 35 = 82.

Answer: 82

Question 7: (C) 20

Each number is 4 more than the one before. 16 + 4 = 20.

Answer: 20

Question 8: (C) 65 cm

1 metre = 100 centimetres.

100 - 35 = 65 centimetres.

Answer: 65 cm

Question 9: (C) 3

An equilateral triangle can be folded in half through each vertex and the midpoint of the opposite side. There are 3 such folds, so it has 3 lines of symmetry.

Answer: 3

Question 10

Share 24 pencils equally into 3 groups. 24 ÷ 3 = 8.

Answer: 8

Question 11

Subtract 128 from 253.

253 minus 100 = 153.

153 minus 28 = 125.

Answer: 125

Question 12: (A) 55

The pattern counts back by 10 each time.

65 minus 10 = 55.

Answer: 55

Question 13: (A) 10

Bridie has 5 footballs. Each football stands for 2 goals.

5 times 2 = 10.

Answer: 10

Question 14: (C) 1 hour 15 minutes

Quarter past 3 is 3:15. Half past 4 is 4:30.

From 3:15 to 4:15 is 1 hour. From 4:15 to 4:30 is 15 more minutes.

1 hour and 15 minutes altogether.

Answer: 1 hour 15 minutes

Question 15

Multiply 3 by 9.

3 times 9 = 27.

Answer: 27

Question 16

Each number is doubled to get the next number. 24 × 2 = 48. **Answer:** 48

Question 17: (A) 622

Add the ones: 4 + 8 = 12, write 2 carry 1. Add the tens: 6 + 5 + 1 = 12, write 2 carry 1. Add the hundreds: 3 + 2 + 1 = 6. So 364 + 258 = 622. **Answer:** 622

Question 18: (B) Rectangular prism

A rectangular prism has 6 rectangular faces, 12 edges and 8 vertices. A cube is a special rectangular prism, but the general name for this shape is a rectangular prism. **Answer:** Rectangular prism

Question 19

Add Chloe's books and Priya's books: 7 + 9 = 16. **Answer:** 16

Question 20: (C) 18 March

If 1 March is a Sunday, the first Wednesday is 4 March, the second Wednesday is 11 March, and the third Wednesday is 18 March. **Answer:** 18 March