

Year 7 NAPLAN Numeracy Practice Test (Non-Calculator)

About this resource:

This Year 7 NAPLAN Numeracy Practice Test is designed to simulate a full ACARA NAPLAN test, not only in length but also question difficulty and variety, crafted by our expert tutors. Work your way through a mixture of multiple choice and short-answer questions calculator free and check your responses with the included fully-worked solutions.

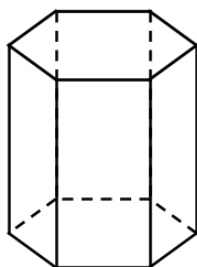
About the author:

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*Ayman graduated VCE in 2021 with an ATAR of 98.10, achieving a 45 raw score in General Mathematics and 40+ raw all around. He is currently pursuing Dentistry at La Trobe University and **has been tutoring for 8+ years**. He is known for his kind and patient nature and ability to create a learning environment where students feel confident to ask questions and improve.*

Q1. The diagram shows a solid 3D object.



How many faces does it have?

- A. 6
- B. 7
- C. 8
- D. 9

Q2. $168.5 + 47.9 = ?$

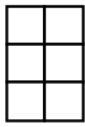
- A. 205.4
- B. 215.4
- C. 217.4
- D. 216.4
- E. 615.4

Q3. Sofia had \$19.40. She bought a drink that cost \$6.95 and a sandwich that cost \$11.20.

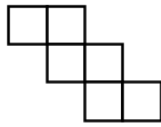
How much money does she have left?

- A. \$1.45
- B. \$1.25
- C. \$2.25
- D. \$12.45

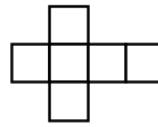
Q4. Which of these nets will fold to make a cube?



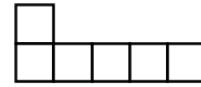
A



B



C



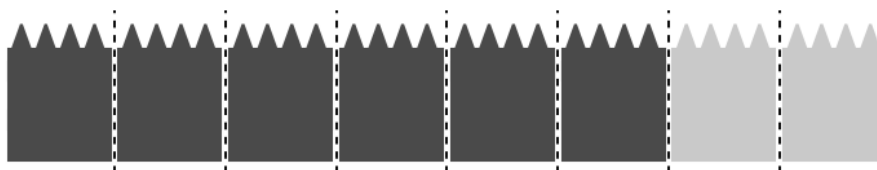
D

Q5. This spreadsheet shows the names of students in four groups.

	A	B	C	D
1	Group 1	Group 2	Group 3	Group 4
2	Ava	Ben	Cara	Mary
3	Dan	Eli	Finn	Jeff
4	Gia	Hugo	Martin	Jeremy
5	Ian	Aisha	Nessa	Lilly

Which student's name is in cell C4?

Q6. This fence has eight sections of equal length.



Six of the sections have been painted black.

What percentage of the whole fence has been painted black?

- A. 6%
- B. 25%
- C. 60%
- D. 75%
- E. 80%

Q7. At a mountain lodge the morning temperature was -9°C .

In the afternoon the temperature was 7°C .

What was the change in temperature from the morning to the afternoon?

- A. decrease of 16°C
- B. decrease of 2°C
- C. increase of 2°C
- D. increase of 16°C

Q8. Which of these has the same value as $98 \times 3 + 6$?

- A. 100×3
- B. 98×9
- C. $300 - 6$
- D. $98 + 300$

Q9. A standard six-sided dice is rolled once.

Which of these events is certain?

- A. rolling a number greater than 5
- B. rolling an even number
- C. rolling a number less than 7
- D. rolling a 3

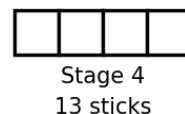
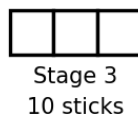
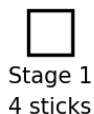
Q10. Nadia starts with a number.

She triples it and then subtracts 5 to get an answer of 16.

What number did Nadia start with?

- A. 3
- B. 7
- C. 11
- D. 21

Q11. Ted uses sticks to make a pattern. At each stage one more square is added.



How many sticks does Ted need for Stage 7?

- A. 19
- B. 22
- C. 25
- D. 28

Q12. Jane finished school at 3:15 pm.

Her bus took $1\frac{3}{4}$ hours to get to the bus stop and then it took her another $\frac{1}{2}$ an hour to get home.

At what time did she get home?

- A. 5:30 pm
- B. 5:15 pm
- C. 5:00 pm
- D. 4:30 pm

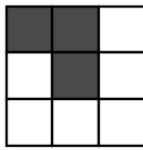
Q13. A tablet can store 20 gigabytes of data.

At the moment, 15 gigabytes of storage has been used.

What percentage of the storage has not been used?

- A. 5%
- B. 15%
- C. 25%
- D. 33%
- E. 75%

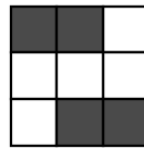
Q14. Which of these designs looks identical after a half turn clockwise?



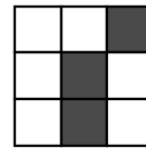
A



B



C



D

Q15. To make a cordial drink, 3 cups of water must be used for every 2 cups of syrup.

How many cups of water are needed for 5 cups of syrup?

- A. 3.5 cups
- B. 10 cups
- C. 6 cups
- D. 7.5 cups

Q16. Dave lives in Perth. Nina lives in Melbourne.

When it is 8:40 am in Perth it is 11:40 am in Melbourne on the same day.

Dave rings Nina when it is 10:00 am in Perth.

What time is it in Melbourne?

- A. 1:00 pm
- B. 1:30 pm
- C. 12:00 pm
- D. 12:30 pm

Q17. Ari, Bo and Cleo have 90 stickers in total.

Ari has half as many stickers as Bo.

Cleo has three times as many stickers as Ari.

How many stickers does Ari have?

stickers

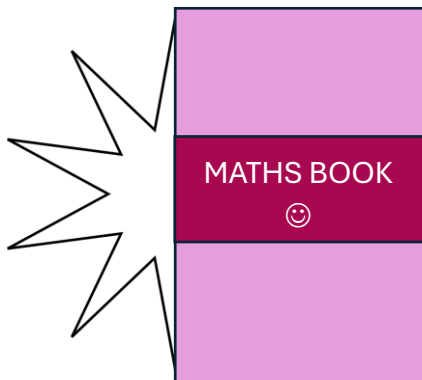
Q18. There are 720 vehicles in a car park.

One-quarter of them are motorbikes. The rest are cars. One-third of the cars are red.

How many red cars are in the car park?

red cars

Q19. Benny placed his maths book along the line of symmetry on his star.



How many points does Benny's whole star have?

- A. 12
- B. 10
- C. 8
- D. 9

Q20. Ling is a beekeeper.

The mass of 400 millilitres of Ling's honey is 560 grams.

How many litres is 2.8 kilograms of Ling's honey?

litres

Q21. Sam bought two full bags of flour.

Both bags had the same amount of flour in them.

After he used $\frac{1}{3}$ of one bag of flour, he had a total of 45 kilograms of flour left.

How many kilograms of flour were in one full bag?

kilograms

Q22. This graph can be used to approximately convert kilograms to pounds.



Using the graph, a mass of 10 kilograms is closest to

- A. 18 pounds.
- B. 20 pounds.
- C. 22 pounds.
- D. 24 pounds.

Q23. The length of a rectangle is three times its width.

The perimeter of the rectangle is 32 centimetres.

What is the area of the rectangle?

square centimetres

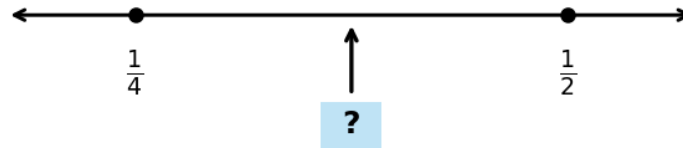
Q24. A ship is 300 metres long.

A model of the ship is built with a scale of 1 : 500.

What is the length of the model?

- A. 6 cm
- B. 60 cm
- C. 150 cm
- D. 600 cm

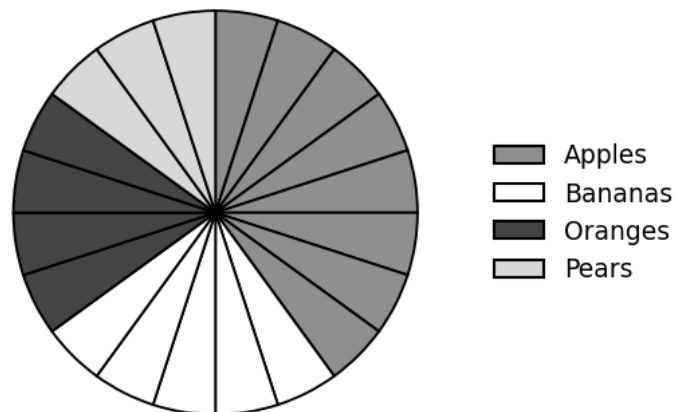
Q25. Which fraction is halfway between $\frac{1}{4}$ and $\frac{1}{2}$ on the number line?



- A. $\frac{3}{8}$
- B. $\frac{1}{3}$
- C. $\frac{2}{6}$
- D. $\frac{3}{4}$

Q26. Ana asked some students to name their favourite fruit.

This graph shows the results. Each student chose one fruit.



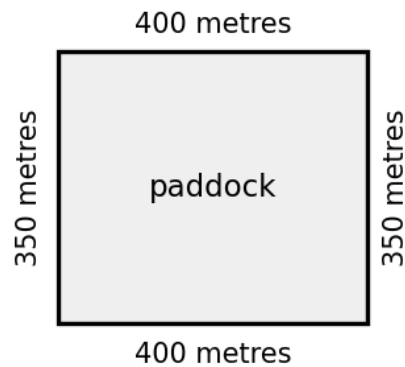
15 more students chose apples than chose pears.

How many students chose oranges?

students

Q27. A new fence is to be built around the perimeter of this paddock.

The fence is to have 3 strands of wire.



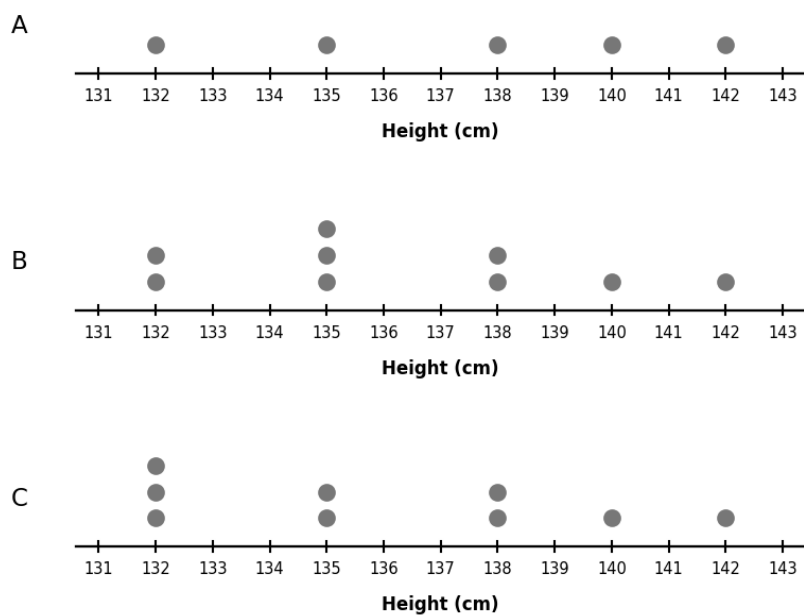
How many kilometres of wire are needed?

kilometres

Q28. The heights, in centimetres, of the children in a gym class are as follows:

132, 135, 135, 138, 140, 135, 142, 138, 132

Select the dot plot that correctly displays the data.



Q29. Amber is keeping silkworms.

She records the number of leaves they have eaten every four days.

4 days	8 days	12 days	16 days	20 days
4	12	36	108	?

If this pattern continues, how many leaves will the silkworms have eaten in 20 days?

leaves

Q30. A tennis club charges a joining fee of \$45 plus \$8 for each lesson.

Which expression represents the total cost, in dollars, for n lessons?

- A. $8n$
- B. $45n$
- C. $45n + 8$
- D. $45 + 8n$

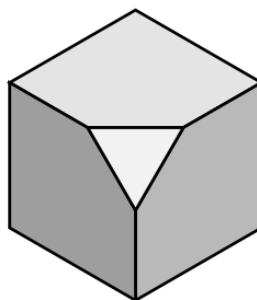
Q31. This year, Ben's age is both a prime number and a factor of 143.

In two years' time, Ben's age will be a prime number again.

What is Ben's age this year?

years old

Q32. This object is made by cutting off one corner of a cube, as shown.



How many edges does this object have?

edges