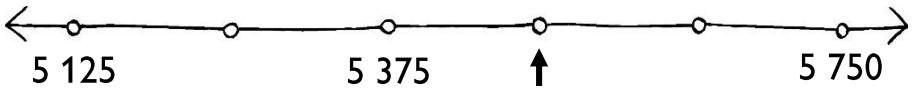
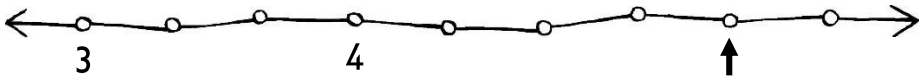
Name:_____ Class:_____

- Complete all answers on this question paper.
- Calculators may not be used.

1. What numbers belong on the number lines at the position that the arrows are pointing to?

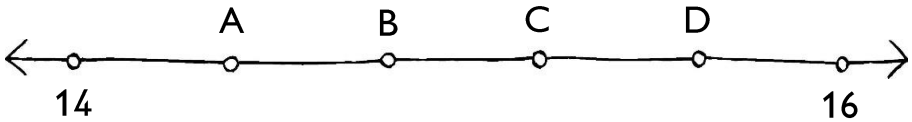
a) 

(1)

b) 

(1)

2. Which position best indicates 14,5 on the number line? *Tick the correct option.*



☐ A ☐ B ☐ C ☐ D (1)

3. Write the number eighteen thousand and sixty. (1)

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4. The multiples of 6 are…

Tick the option that correctly completes this sentence.

☐ always odd.

☐ either odd or even.

☐ also multiples of 3. (1)

5. Complete. *Fill in the answer only.*

a) Double R2 750 = R_____ (1)

b) R20 – R_____ = R13,46 (1)

c) 40 000 – _____ = 28 500 (1)

d) _____ = 2,8 × 10 (1)

e) 17 ÷ 10 = _____ (1)

6. Calculate. *Show your working.*

a) 368 + 245

(2)

b) R33,25 – R21,75

(2)

c) $4{,}6 + 2\frac{4}{5}$

(2)

d) $\frac{1}{8} + \frac{1}{2} + \frac{1}{4}$

(2)

7. Nicole and her 4 friends share a pizza that was cut into eight equal slices. If Nicole eats half of the pizza and her friends share the rest equally, what fraction of the pizza do each of Nicole's friends eat? *Show your working.*

(2)

8. John paid R28 for 3 little presents. For presents A and B he paid R21 altogether. For presents B and C he paid R19 altogether. How much did each present cost? *Show your working.*

A = R_____; B = R_____ and C = R_____ (3)

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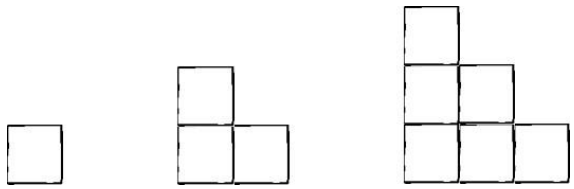
9. Nathan makes pictures with squares. The first 3 pictures make a pattern.



Picture 1 Picture 2 Picture 3

a) How many squares will be in Picture 4?

_____ squares (1)

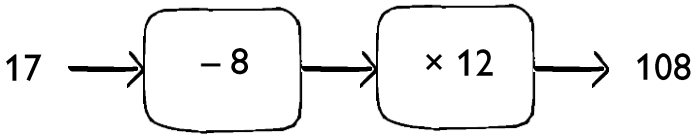
b) How many squares will be in Picture 6?

_____ squares (1)

c) Which picture number will have 78 squares in it? *Show your working.*

Picture _____ (2)

10.



Which equation is equivalent to the flow diagram shown here? *Tick the correct option.*

☐ 17 – 8 × 12 = 108 ☐ 17 × 12 – 8 = 108

☐ (17 – 8) × 12 = 108 ☐ (– 8 × 12) + 17 = 108 (1)

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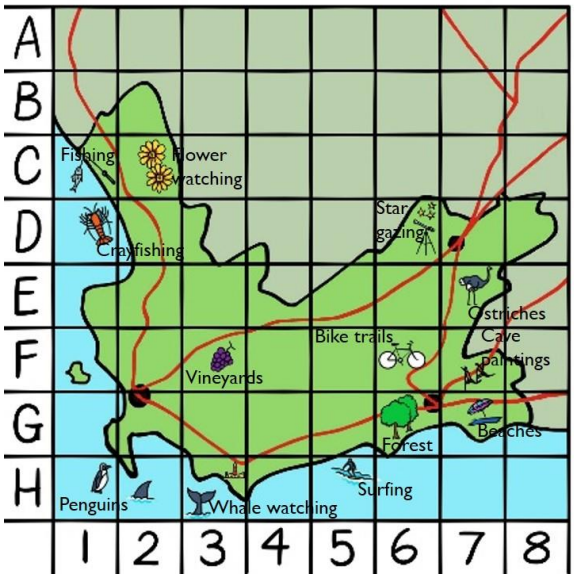
11. The map shows various tourist attractions and outdoor activities in the Western Cape.



a) Which attraction is found at G6? *Tick the correct option.*

☐ forest ☐ bike trails ☐ beaches

☐ penguins ☐ fishing ☐ surfing (1)

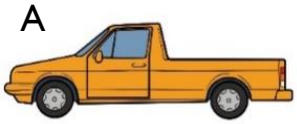
b) Which grid reference indicates a good place for watching whales?

(1)

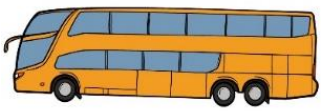
12. The front view of a vehicle is shown here.

Which is the side view of the same vehicle? *Tick the correct option.*

A



B

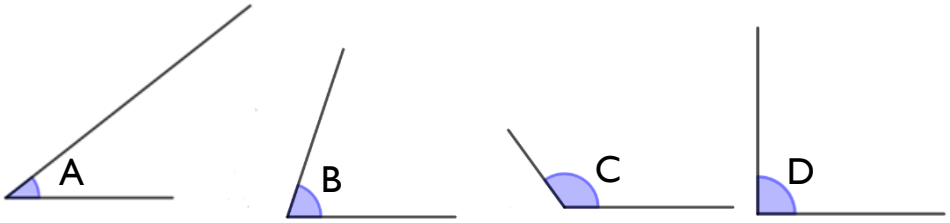


C

D

☐ A ☐ B ☐ C ☐ D (1)

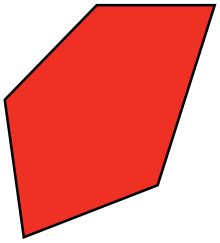
13. Study the four angles without using a protractor.



Which angle is larger than a right angle? *Tick the correct option.*

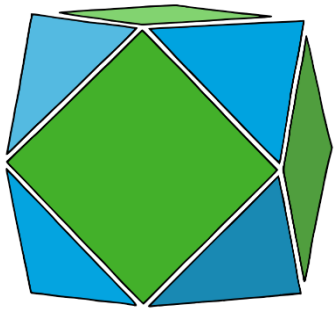
☐ A ☐ B ☐ C ☐ D (1)

14. What is the name of this polygon?



(1)

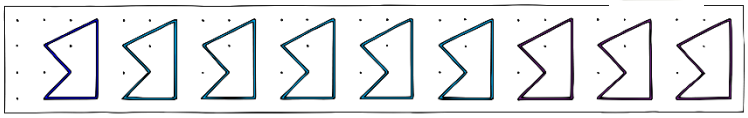
15. How many faces does this polyhedron have?



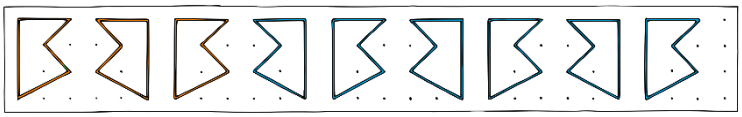
_____ faces (1)

16. Study the three transformations of the shape:

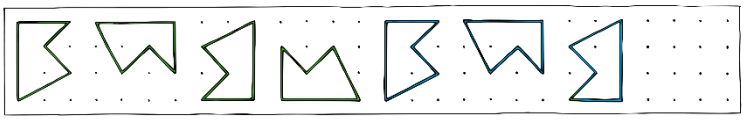
A



B



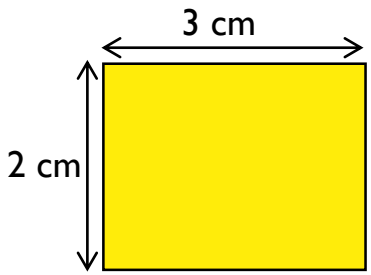
C



Which transformation is a reflection of the shape? *Tick the correct option.*

☐ A ☐ B ☐ C (1)

17. Determine the perimeter of the rectangle.



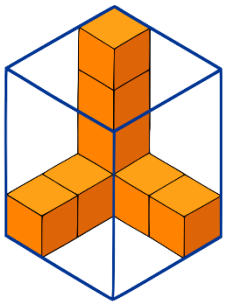
_____ cm (1)

18. What is the capacity of a container that can be filled exactly with five 240 ml cups of water? *Show your working.*

_____ ml (2)

Assessment developed by: Brombacher and Associates

19. How many cubes are needed to fill the box?

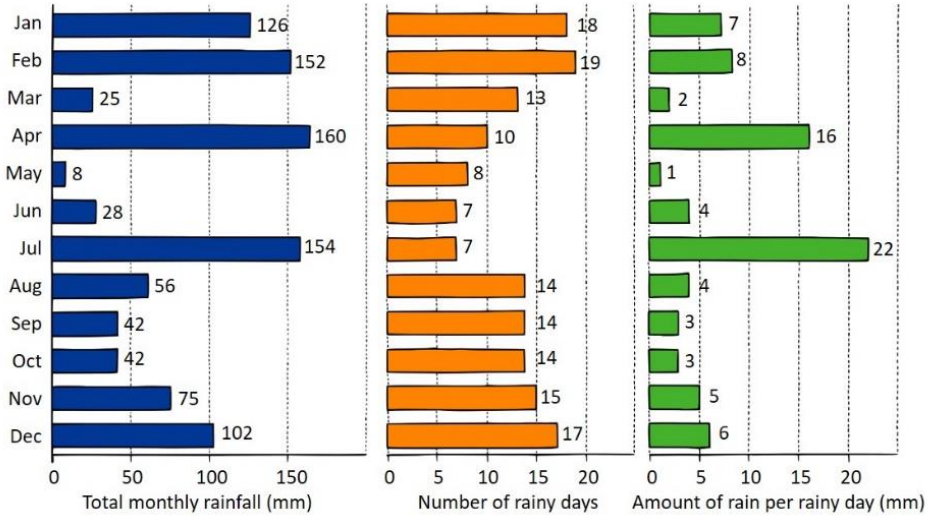


_____ cubes (1)

20. Dineo is timing a friend running around a 400 m racing track. She starts at 03:42:22 and finishes at 03:43:31. How many seconds did she take to run? *Show your working.*

_____ seconds (2)

21. The graph shows the amount of rainfall measured in millimetres, the number of rainy days for each month, and the average amount of rain per rainy day in Durban during a given year.



a) Which month had the least rain?

(1)

b) Which month had 13 rainy days?

(1)

c) What is the difference between the amount of rain per rainy day for June and July?

_____ mm (1)

d) Why does April receive the most rainfall in the year while it only had 10 rainy days in the month?

(1)