

Primary 3 · Mathematics · Maths General Ability I

Figure patterns

Time **30 min** Marks **11** Questions **9**

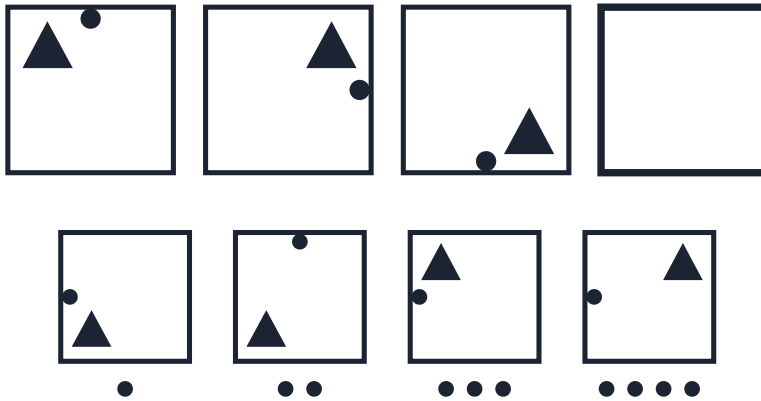
Name _____ Class _____ Date _____ Score _____ / 11

1. Section A: write the number of the correct figure. The choices are numbered under each question.
2. Section B: draw the missing figure in the box.

Section A

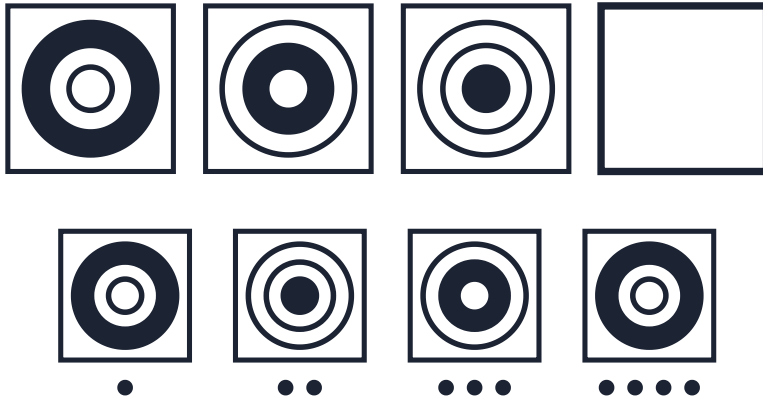
Questions 1 to 7 carry 1 mark each.

- 1 The black triangle moves one corner clockwise each step and the dot moves one side clockwise. Which figure comes next? [1]
- Write the number of the correct figure.



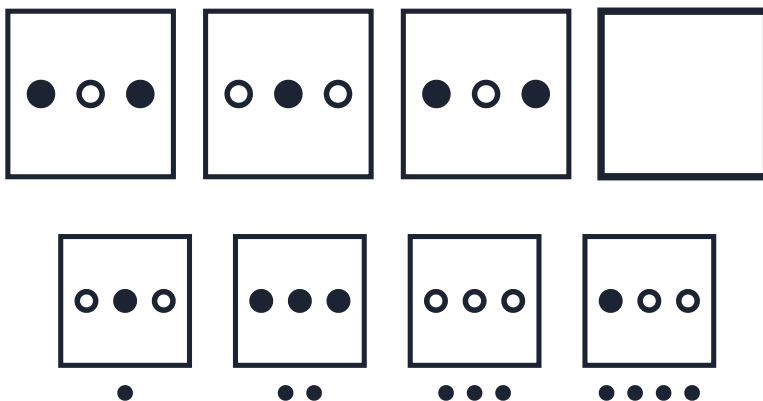
ANSWER _____

- 2 The black ring moves one ring inward each step, then starts again on the outside. [1]
Which figure comes next?
Write the number of the correct figure.



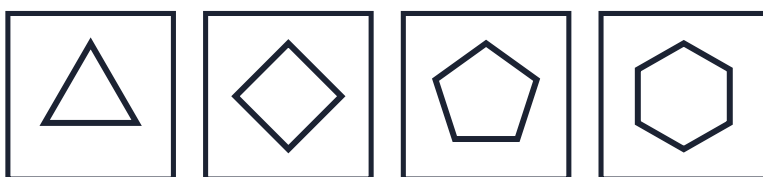
ANSWER _____

- 3 The colours of the three beads swap at every step. Which figure comes next? [1]
Write the number of the correct figure.



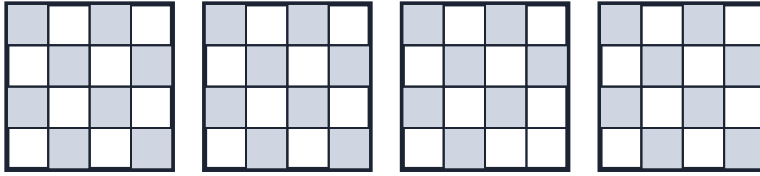
ANSWER _____

- 4 Three of these figures follow one rule and one does not. Which is the odd one out? [1]
Count them 1 to 4 from left to right.



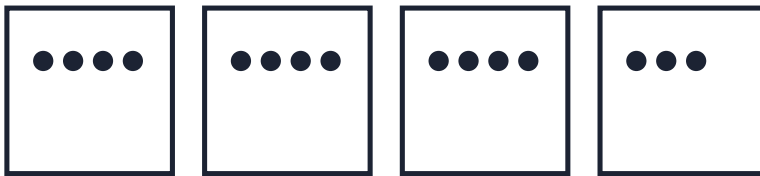
ANSWER _____

- 5 Three of these grids are shaded in the same way and one is not. Which is the odd one out? Count them 1 to 4 from left to right. [1]



ANSWER _____

- 6 Three of these boxes hold the same number of dots and one does not. Which is the odd one out? Count them 1 to 4 from left to right. [1]



ANSWER _____

- 7 Three of these numbers follow one rule and one does not. Which is the odd one out? [1]

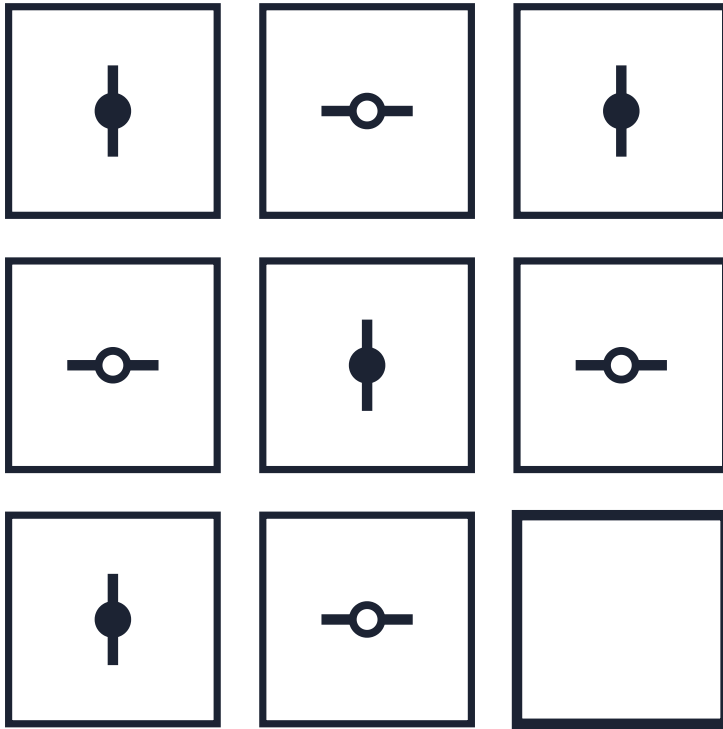
- (1) 2 3 6
- (2) 2 4 8
- (3) 3 3 6
- (4) 4 4 2

ANSWER _____

Section B

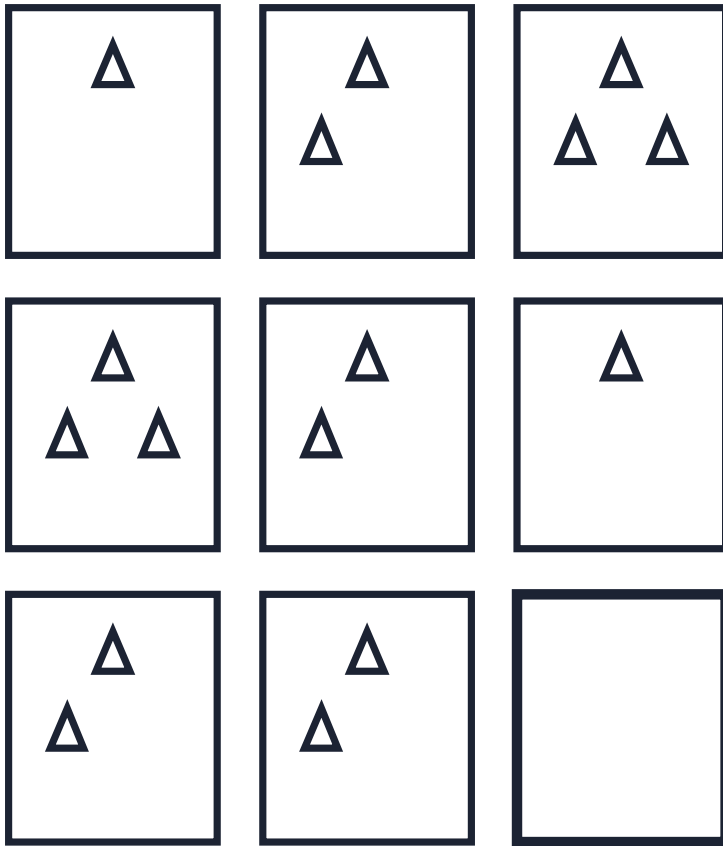
Questions 8 and 9 carry 2 marks each.

- 8 The arrow turns one quarter clockwise along each row and down each column, and the centre dot alternates between filled and empty. Draw the missing figure. [2]



ANSWER _____

- 9 The number of stars in every column adds up to the same total. Draw the missing square. [2]



ANSWER _____

END OF PAPER