

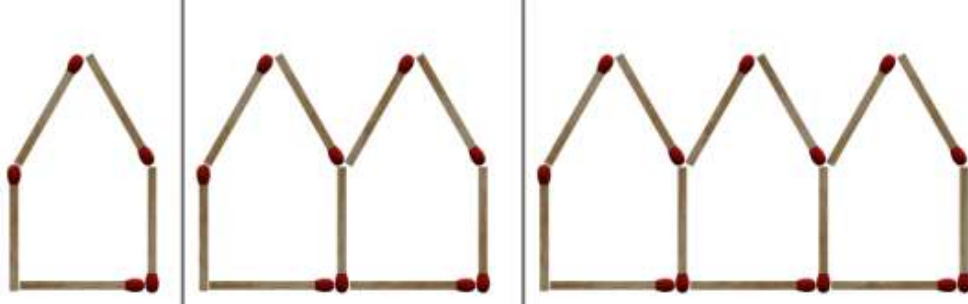


Printable Assessments CAMI Maths: Grade 9

Numeric and Geometric patterns

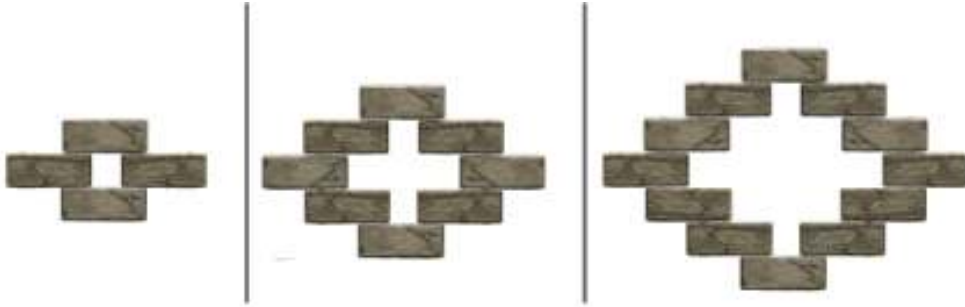
1. Complete the table using the diagrams.

1.1



Term	1	2	3
Number of matches			

1.2



Term	1	2	3
Number of bricks			

2. Determine the next three terms.

2.1 $7; \frac{23}{3}; \frac{25}{3}; \dots$

2.2 $\frac{48}{7}; \frac{47}{7}; \frac{46}{7}; \dots$

2.3 $20; 19,6; 19,2; \dots$

2.4 $2,8; 3,2; 3,6; \dots$



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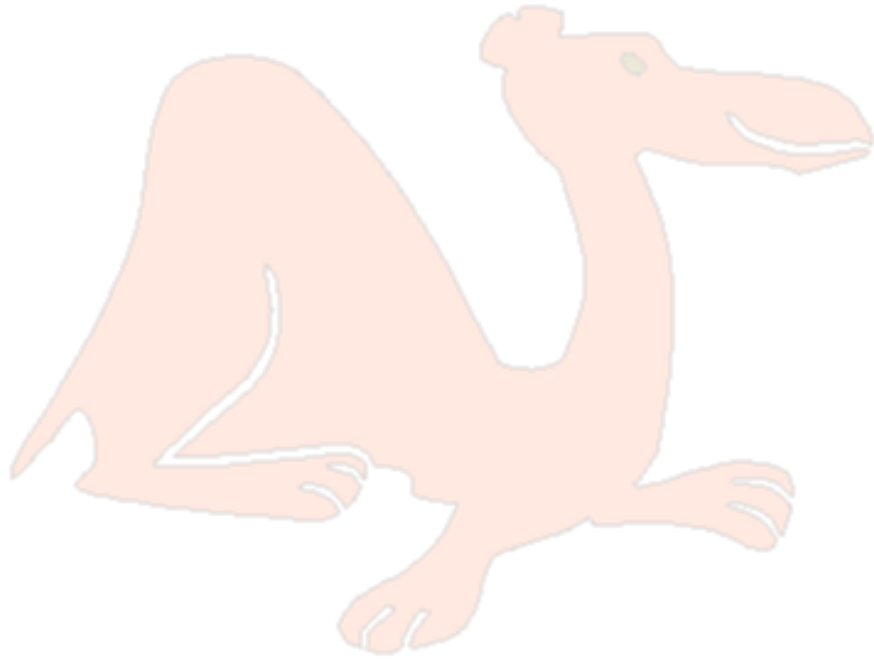
2.5 $\frac{2}{11}; \frac{4}{11}; \frac{8}{11}; \dots$

3. Determine the missing term in the sequence.

3.1 $\dots; 5s + 3; 4s + 4; 3s + 5$

3.2 $4v; 8v; \dots; 32v; 64v$

3.3 $c + 49; c + 52; c + 55; \dots; c + 61$





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MEMO

1. Complete the table using the diagrams. [4.1.1.8]

1.1

Term	1	2	3
Number of matches	5	9	13

1.2

Term	1	2	3
Number of bricks	4	8	12

2. Determine the next three terms. [4.1.2.8; 4.1.2.9; 4.1.4.4]

2.1 $7; \frac{23}{3}; \frac{25}{3}; 9; \frac{29}{3}; \frac{31}{3}$

2.2 $\frac{48}{7}; \frac{47}{7}; \frac{46}{7}; \frac{45}{7}; \frac{44}{7}; \frac{43}{7}$

2.3 $20; 19,6; 19,2; 18,8; 18,4; 18$

2.4 $2,8; 3,2; 3,6; 4; 4,4; 4,8$

2.5 $\frac{2}{11}; \frac{4}{11}; \frac{8}{11}; \frac{16}{11}; \frac{32}{11}; \frac{64}{11}$

3. Determine the missing term in the sequence. [4.1.4.6]

3.1 $6s + 2; 5s + 3; 4s + 4; 3s + 5$

3.2 $4v; 8v; 16v; 32v; 64v$

3.3 $c + 49; c + 52; c + 55; c + 58; c + 61$