

1. Which number is the cube root of 8, prime and even?

A. 1	B. 8	C. 4	D. 2	E. 3
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2. A square has a perimeter of 12cm. What is its area?

A. 8cm ²	B. 9cm	C. 9cm ²	D. Not enough info	E. Not a square
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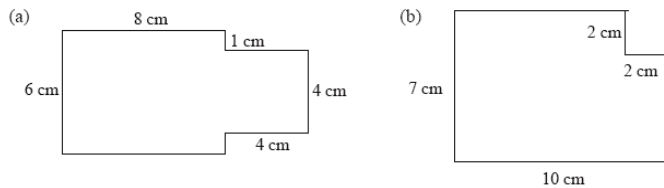
3. If I divide a positive whole number by 1/2 it will eventually:

A. = 0	B. get very small	C. get very big	D. stay the same	E. become negative
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4. Which is not an acute angle?

A. 45°	B. 365°	C. 355°	D. 10°	E. 85°
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5. Study Shapes **a** and **b**: Which **1** of the following statements is correct?



A. They both have the same area and perimeter	B. Shape a has a larger area yet their perimeters are equal	C. Both have different areas and perimeters	D. shape b has a larger area yet their perimeters are equal	E. We cant don't have enough information to answer the question
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6. Which is **not** a cube number?

A. 1	B. 8	C. 3	D. 64	E. 27
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7. If 5 miles is 8 kilometres, then 250 miles is:

A. 500km	B. 500m	C. 80km	D. 400km	E. none of these
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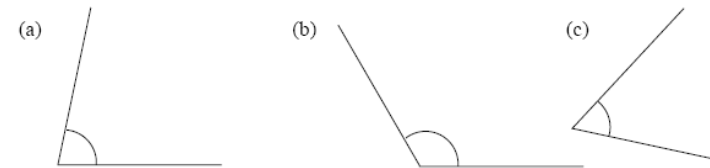
8. Which point is furthest away from the origin on a standard graph axis?

A. -10,0	B. 0,0	C. 10,0	D. 0,-10	E. 0,11
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9. Which integers satisfy the inequality $5 < x < 9$?

A. 6,7,8 & 9	B. 5,6,7 & 8	C. 5 & 9	D. numbers larger than 4	E. none of these
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10. Angles **a**, **b** and **c** are:



A. All Acute	B. All Obtuse	C. All Reflex	D. All right angles	E. All Between 45° & 120°
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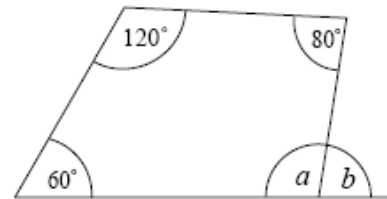
11. What is the next number in the sequence 8, 4, 2, 1

A. 0	B. 1/2	C. -1	D. -2	E. there is no pattern
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12. One third is taken from one half. The result is:

A. One 6 th	B. 0	C. 0.2	D. A half	E. It cant be done
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13. Which one of the following statements is correct?



A. Angles a and b are equal	B. angle a and b do not equal 180°	C. Angle a is 80°	D. Angle b is 80°	E. Angles a and b equal 360°
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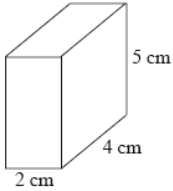
14. When the Time is 3pm on an analogue clock. The hands make a 3 figure bearing of:

A. 90 ²	B. 090°	C. 90°	D. A reflex angle	E. 030°
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15. The mean of 3 numbers is 17. The median is 17; the range is less than 4.
The smallest value is:

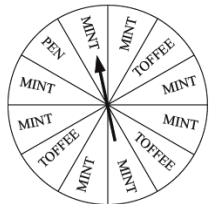
A. >20	B. <20	C. 17	D. 18	E. 16
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16. Consider the cuboid below. One of the following statements is correct:



A. The surface area and volume are equal	B. The surface area is less than the volume	C. The surface area is measured in cm^3	D. The surface area is over 75cm^2	E. We need the other dimensions to answer it
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17. Bob spins the spinner once. What is the probability he would not land on a pen or chocolate?



A. one in 12	B. 50/50	C. 11/12	D. 1/3	E. Even
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18. A bar of chocolate has 12 pieces. 4 are eaten on day one. The next day half the remaining amount is eaten. How much of the original bar is left?

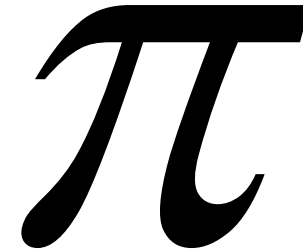
A. $\frac{3}{4}$	B. A third	C. 0.65	D. 25%	E. 6 pieces
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19. On a number line I travel from -4 to -6 and then to 12. What was the distance of my journey?

A. 20 units	B. 6 units	C. -5 units	D. 5 units	E. 0 units
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20. If $x = -4$ then x^3 is

A. 16	B. 64	C. = to x^2	D. -64	E. 1
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Name _____

Year _____ Class _____

Scoring 2 marks for a correct answer, 1 mark deducted for a wrong answer. 0 marks for a blank

Score

Gold

Silver

Bronze

Top 3 in my class

Top 10 in my Year

Top 15 in the School