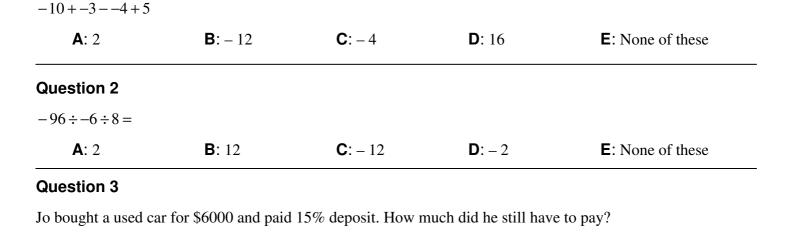
MATHEMATICS PRACTICE TEST

PRACTICE QUESTIONS

Here are some practice examples to show you what the questions on the real test are like.

Practice Example 1



D • \$5100

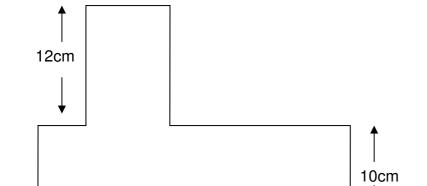
E. Mona of those

C. \$4500

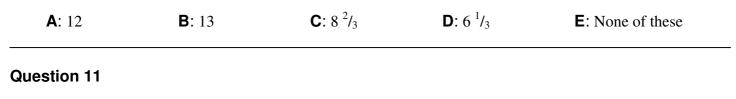
 $0002 \cdot \Lambda$

D • \$5000

The perimeter of the shape is



If $2^{1}/_{3}: 4^{1}/_{3}$ then 7: $\Box =$



Concrete is made by mixing screenings cement and sand in the ratio 3:1:15. How much sand would be needed to make 125 tonnes of concrete?

A: 27 tonnes

B: 33.75 tonnes

C: 45 tonnes

D: 75 tonnes

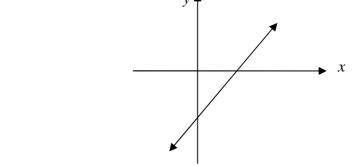
E: None of these

Use the following graph to answer questions 14 and 15



The graph shows the number of hours a year 8 group spent doing homework for one week.

The y intercept of the graph could only be:



D: (-3,0)

A: (4,0)

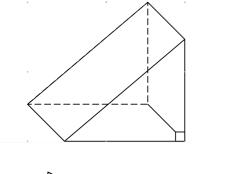
B: (0,–3)

C:(-4,0)

E: (0,3)

,3)

Which option would make this solid?



Simplify the surd $3\sqrt{56}$ completely

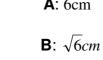
A: $12\sqrt{14}$ B: $5\sqrt{14}$ C: $6\sqrt{14}$ D: $6\sqrt{28}$ E: None of these

Question 24



5cm

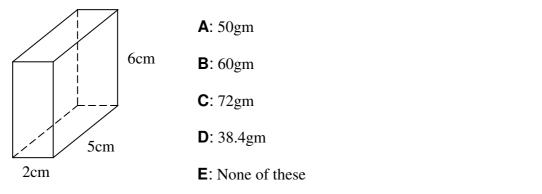
Question 23



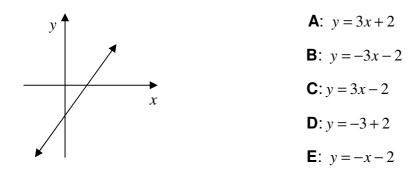
C: $5\sqrt{2}cm$

cm

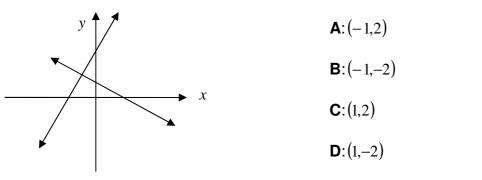
If Density = Mass \div Volume, what is the Mass of the solid in the diagram if its Density is 1.2gm / cm^{3?}



Which equation could only be the equation of the graph?

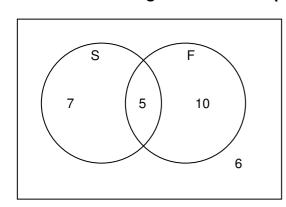


The coordinates of the point of intersection for the two graphs could only be:



E: (2,-1)

Use the Venn diagram to answer questions 41, 42 and 43



The diagram shows a class of music students and instruments they learn.

S = Saxophone F = Flute

Question 41

Question 47

Expand the brackets and simplify $(2\sqrt{5}-\sqrt{2})^2$

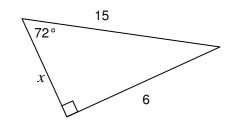
Rationalise and simplify $\frac{4\sqrt{5}}{\sqrt{3}}$

A:
$$4\sqrt{5} + 2\sqrt{2}$$
 B: $12 - 4\sqrt{10}$ **C**: $8 - 4\sqrt{10}$

D:
$$2\sqrt{10} - 2$$



The correct ratio to find x is:



A: 6 Cos 72°

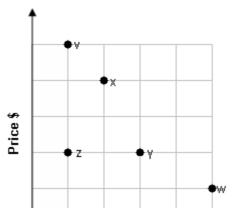
B: 6 Tan 72°

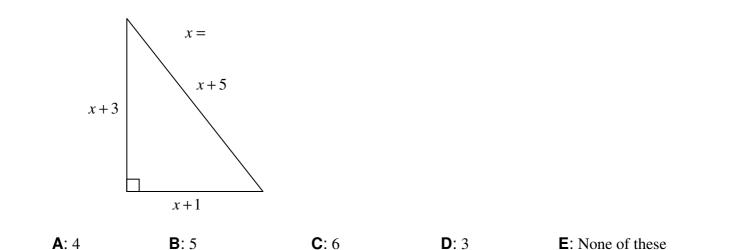
C: 15 Sin 18°

D: 15 Sin 72°

E: 15 Cos 18°

The graph shows the price paid and weight for bags of sugar bought at different shops.





Quodion od