

S2 Homework 21

No calculator allowed!!

- 1) $34.9 + 2.67$ 2) $9 - 5.56$ 3) 0.433×6 4) $12.75 \div 5$

Revision of S1 work

5) Simplify these expressions if possible: -

a) $3a + 4b + 4a + 6b$

b) $7c + 8d - c - 3d$

c) $9e + 8f + 7e + 6f$

d) $9m - 5n + 4p - 4q$

6) Solve these equations: -

a) $x + 4 = 20$

b) $5x = 55$

c) $3x + 6 = 24$

d) $5x - 6 = 54$

e) $8x - 4 = 5x + 11$

7) If $a = 6$ and $b = 4$, evaluate: -

a) $2a + 3b$

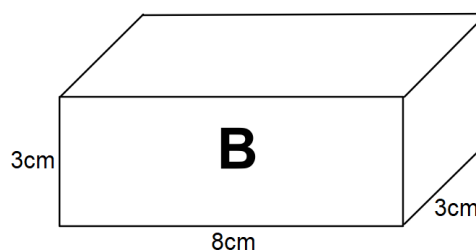
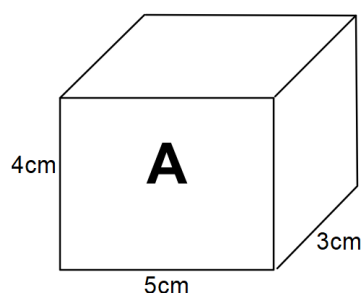
b) $a^2 - b^2$

c) $ab - 10$

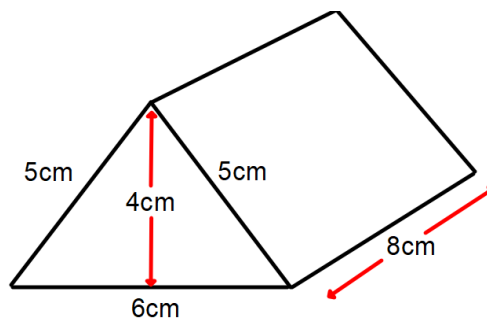
d) $2a^2 - 3b^2$

S2 work

8) Which of these cuboids has the greater surface area?



9) Calculate the surface area of the triangular prism shown below.



10) Which of these cylinders will have the greatest volume?

A: Radius 6cm, height 24cm

or

B: Diameter 10cm, height 28cm

UK Junior Maths Challenge Question

Billy has three times as many llamas as lambs.

Milly has twice as many lambs as llamas.

They have 17 animals in total.

How many of the animals are llamas?

A 5

B 6

C 7

D 8

E 9