5.3 Verbal Mental Test

Non-Calculator

(a) Addition

$$(i)$$
 23 + 45

(b) Multiplication

$$(i)$$
 4×7

$$(ii)$$
 6×9

(iii)
$$2 \times 7 \times 5$$

(iv)
$$8 \times 99$$

(c) Powers

(i)
$$8^2$$

(ii)
$$2^5$$

(iii)
$$7^1$$

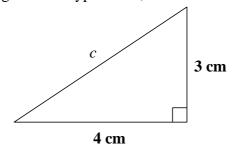
$$(iv)$$
 $25^{0.5}$

$$(iv)$$
 5^0

$$(vi) 2^{-3}$$

(d) Pythagoras

Find the length of the hypotenuse, c.



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Teachers may obtain detailed worked solutions to the exercises by email from mhh@shrewsbury.org.uk