7. Ms. Roberts bought 45 calculators at $2.20 each.

(a) What was the total cost of the calculators?

Answer: _____ [2]

(b) She received $1.00 in change from the cashier.

How much money did she give the cashier?

Answer: _____ [1]

7. (a) Angela, Susan and Peter share 1800 acres of land in the ratio 3 : 2 : 4.

How many acres of land will Peter receive?

Peter's Fraction = ———

Computation of Acres

——— × $\frac{1800}{1}$

Peter's Share =

Answer: _____ [3]

(b) 6 books cost $9.24. Calculate the cost of one book.

Answer: _____ [2]

(c) 4 men take 14 days to build a shed.

(i) How long will it take 7 men to build the same shed?

Total Man Days =

Seven Men Working =

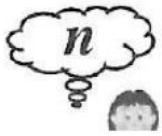
Answer: _____ [3]

(ii) How many men are needed to finish the shed in 2 days?

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Answer: _____ [2]

7. Jill thinks of a number n. She multiplies it by 7 then adds 2. Her result is 37.



(a) Write the equation to represent the statement above.

$= 37$

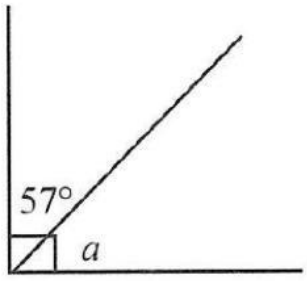
Answer: _____ [1]

(b) Solve the equation to determine the value of n.

Answer: _____ [2]

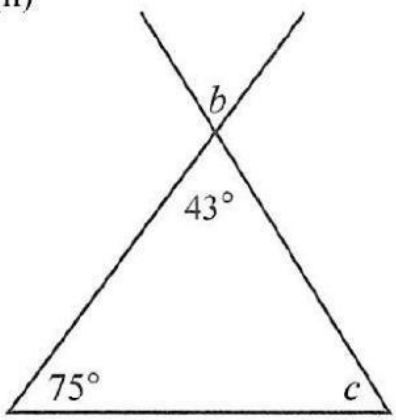
7. Calculate the missing angles.

(i) NOT TO SCALE



Answer: $a =$ _____ ° [2]

(ii) NOT TO SCALE



Answer: $b =$ _____ ° [1]

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Answer: $c =$ _____ ° [2]

7. Place <, > or = in the box to make a true statement.

(a) $\frac{3}{5}$ ☐ 40% < > = [1]

(b) 0.06 ☐ 60% < > = [1]

(c) $(0.5)^2$ ☐ 0.25 < > = [1]

7. **A case of juice was priced at $18.95 before VAT was added. VAT is 10%.**

Calculate the

(a) total amount of VAT placed on the case of juice,
(give your answer to the nearest cent).

Answer: _____ **[2]**

(b) total cost of the case of juice inclusive of the VAT.

Answer: _____ **[2]**

7. (a) Simplify: $3x - 2y + x - 4y$

Answer: _____ [2]

(b) Solve: $3(x - 5) = 21$

Equation after Bracket Removal

=

x =

Answer: _____ [3]

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