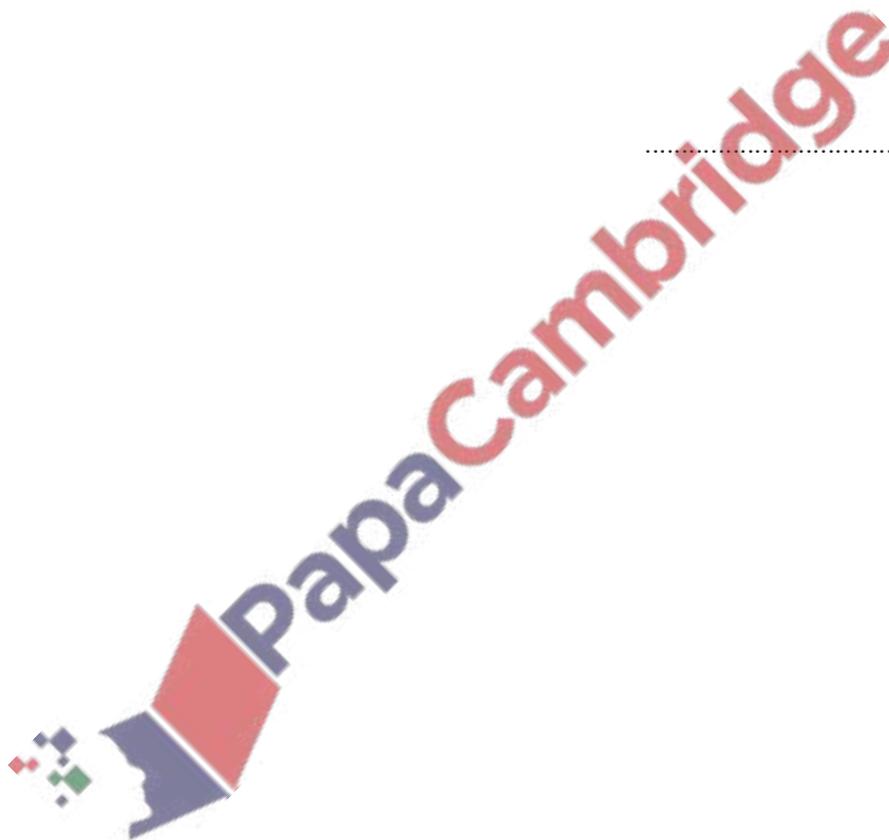


1. Nov/2023/Paper_0444/23/No.1

Tara goes on a journey by train.
The train leaves at 06 48.
The journey takes 12 hours and 35 minutes.

Find the time when Tara arrives.

..... [1]



61	63	64	66	68	69
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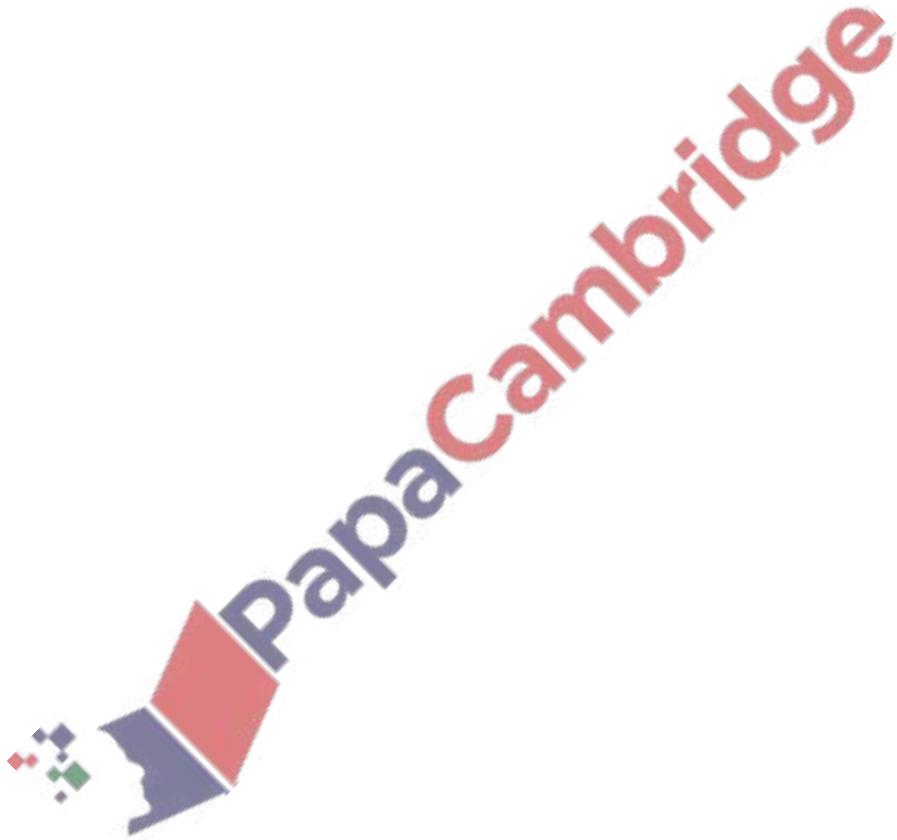
From this list, write down

(a) a square number

..... [1]

(b) a prime number.

..... [1]



3. Nov/2023/Paper_0444/23/No.3

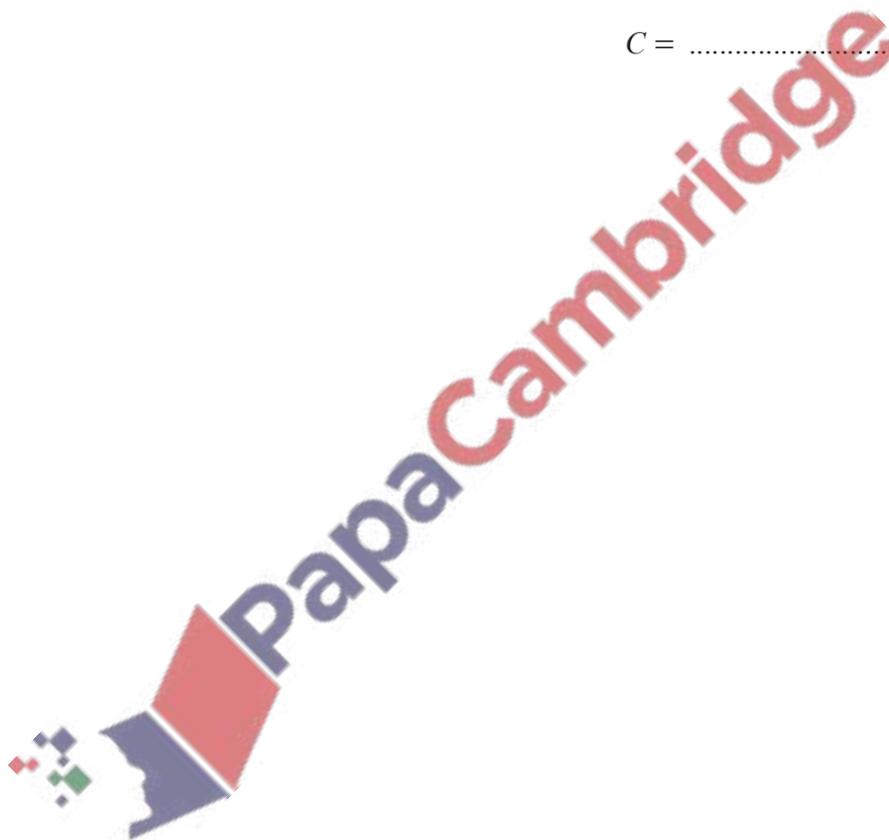
A builder charges a fixed amount of \$40 plus \$25 per hour.

(a) Find the number of hours the builder works when the total charge is \$165.

..... hours [1]

(b) Write down a formula for the total charge, \$ C , when the builder works for h hours.

$C =$ [1]

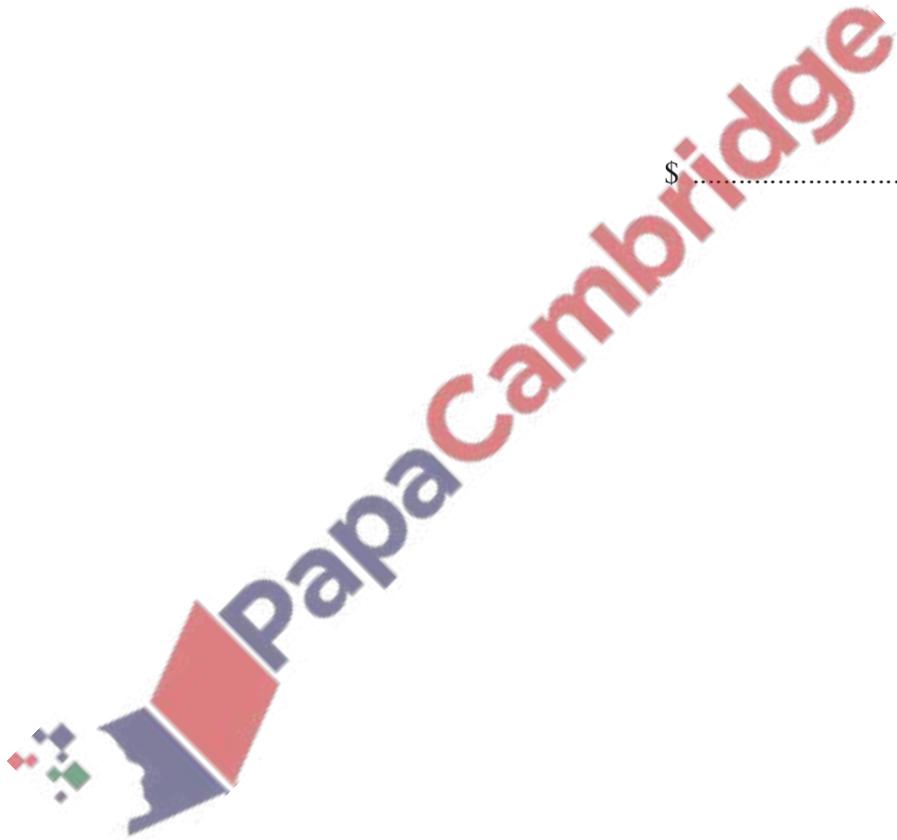


4. Nov/2023/Paper_0444/23/No.5

Shubhu invests \$750 in a savings account for 5 years.
The account pays simple interest at a rate of 2% per year.

Work out the total interest she earns during the 5 years.

\$ [2]

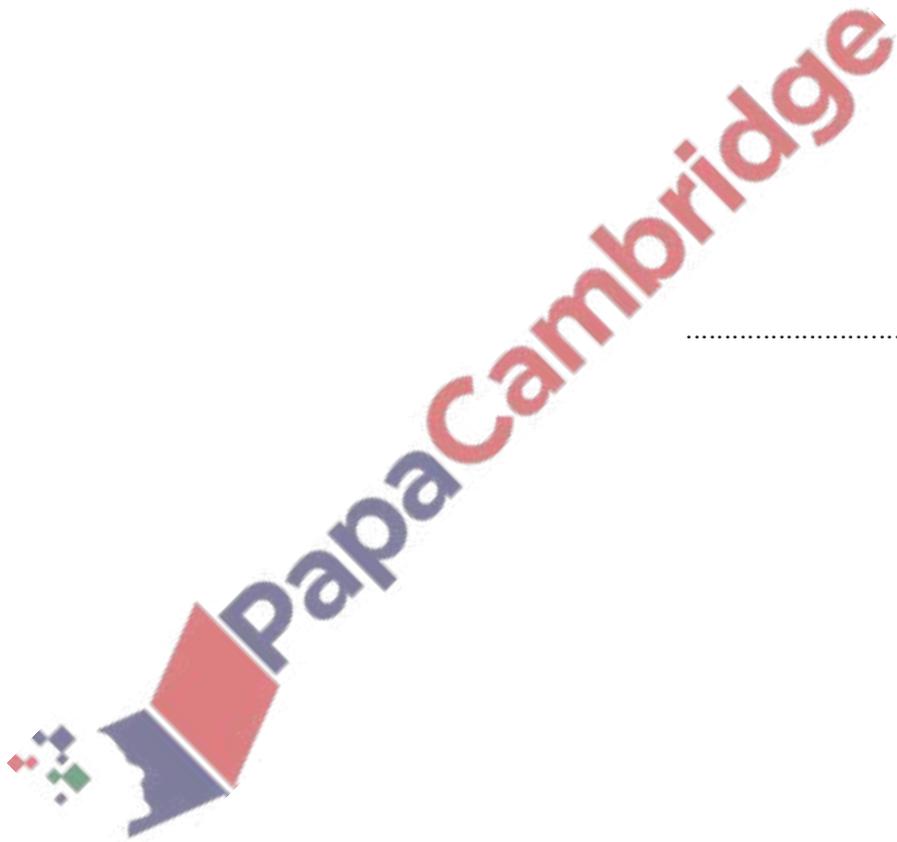


5. Nov/2023/Paper_0444/23/No.7

Work out $1\frac{5}{6} \div \frac{11}{15}$.

Give your answer as a mixed number in its simplest form.

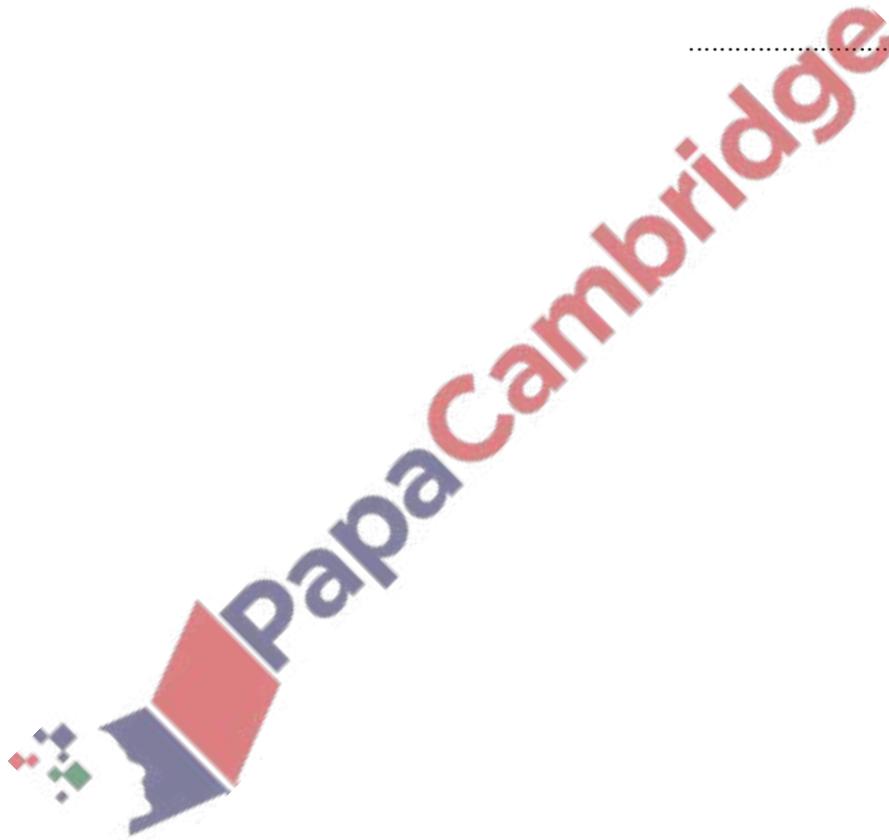
..... [3]



6. Nov/2023/Paper_0444/23/No.9

Find the greatest common factor (GCF) of 48 and 80.

..... [2]

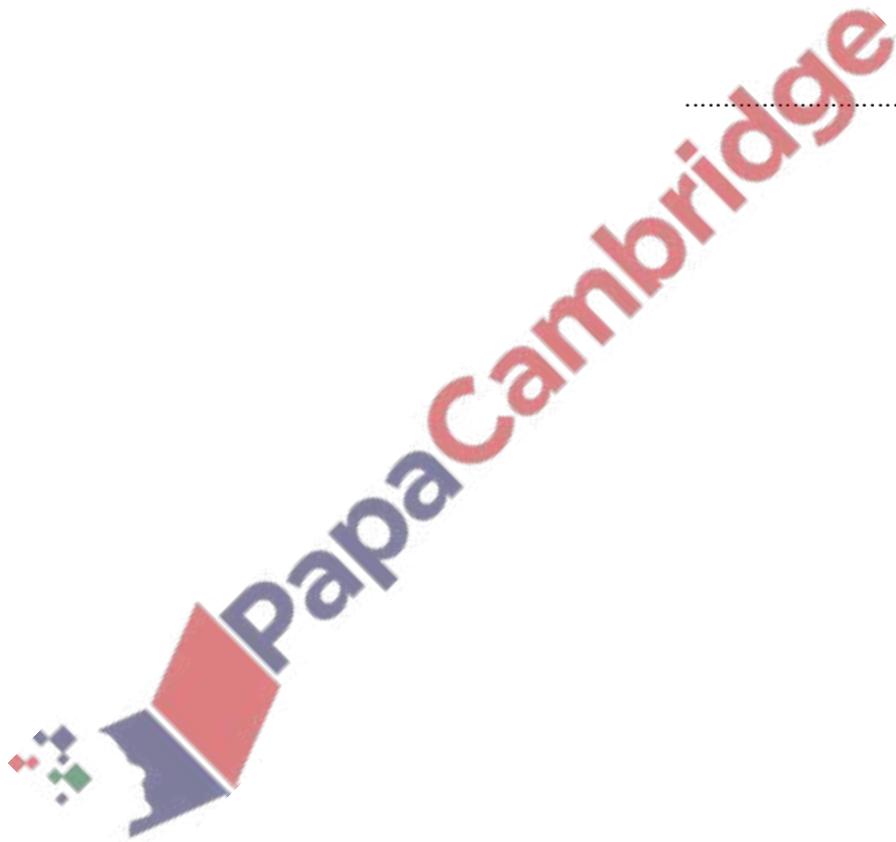


7. Nov/2023/Paper_0444/23/No.13

Oliver sent 40% more messages in June than in May.
He sent 280 messages in June.

Find how many more messages he sent in June than in May.

..... [3]

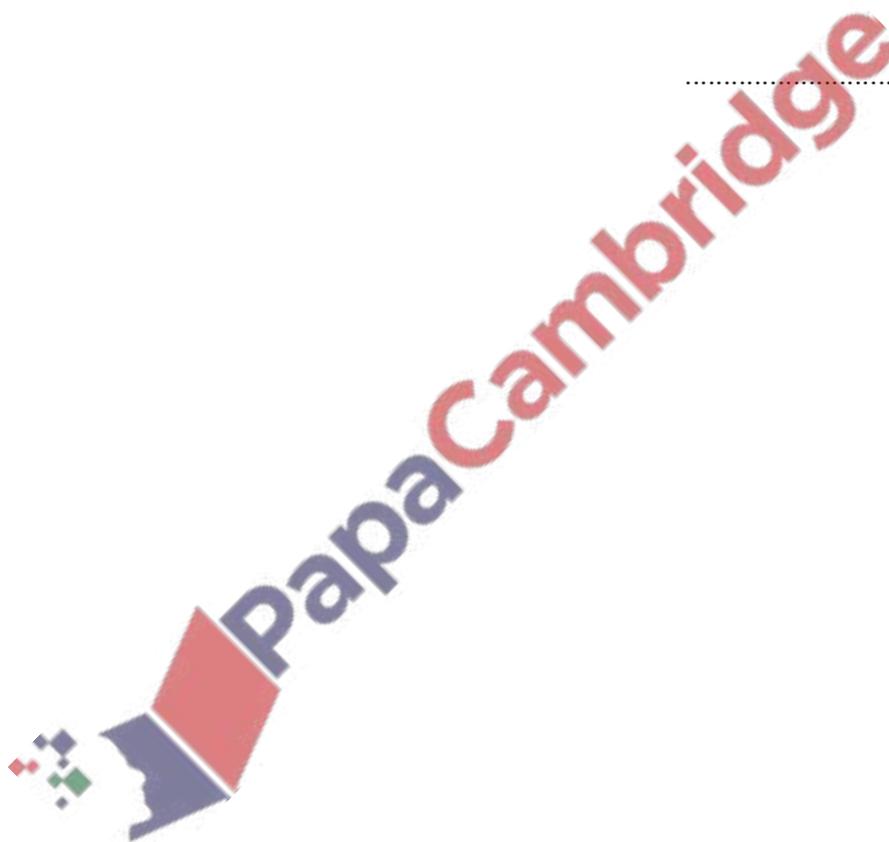


8. Nov/2023/Paper_0444/23/No.18

F varies as the product of m and a .

Work out the percentage change in F when m is increased by 20% and a is decreased by 10%.

..... % [3]



9. Nov/2023/Paper_0444/23/No.19

(a) $\sqrt{300} + \sqrt{k} = 13\sqrt{3}$

Find the value of k .

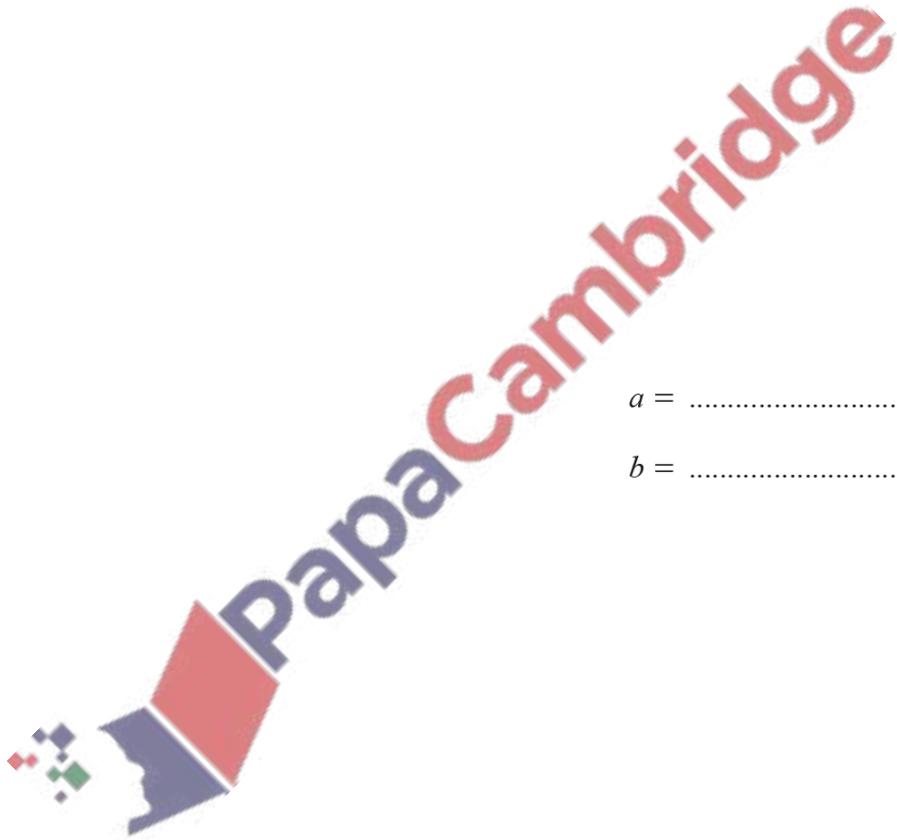
$k = \dots\dots\dots$ [2]

(b) $(\sqrt{7} + \sqrt{3})^2 = a + 2\sqrt{b}$

Find the value of a and the value of b .

$a = \dots\dots\dots$

$b = \dots\dots\dots$ [2]

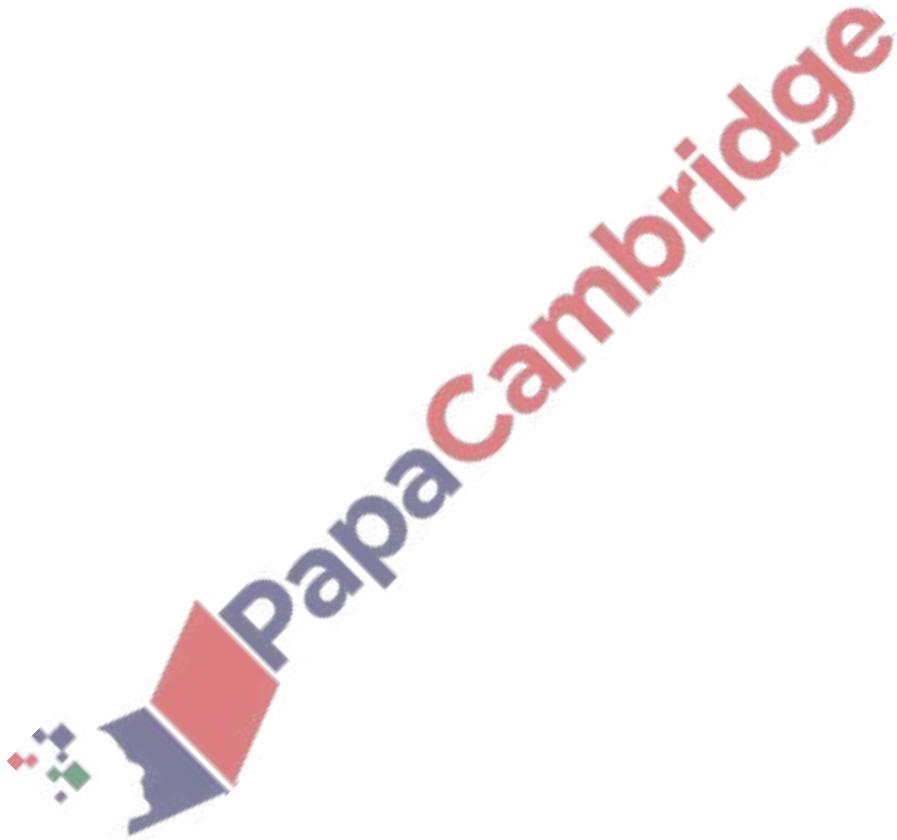


(a) Evaluate $64^{\frac{5}{6}}$.

..... [1]

(b) Solve the equation $2 + \sqrt[3]{y} = 7$.

$y =$ [2]



The table shows the amount received when exchanging \$100 in some countries.

Country	Amount received for \$100
Wales	77.05 pounds
India	7437.05 rupees
China	671.20 yuan
Spain	85.35 euros

- (a) Brad changes \$250 to Indian rupees.

Calculate the amount he receives correct to the nearest rupee.

..... rupees [2]

- (b) Wang changes 5400 Chinese yuan into dollars.

Calculate how much he receives in dollars, correct to the nearest cent.

\$ [2]

- (c) Gretal lives in Spain and goes on holiday to Wales.
She spends 3500 euros in total on travel and hotels in the ratio



travel : hotels = 4 : 3.

- (i) Work out how much Gretal spends, in euros, on travel.

..... euros [2]

- (ii) Work out how much she spends, in pounds, on hotels.