

iRAT / tRA – Profit and Loss

Question 1

Sara buys a loaf of bread which costs \$3.65.
She pays with a \$5 note.

How much change should Sara get?

- A 35 cents B 45 cents C \$1.35 D \$1.45

Question 2

Tom downloaded three songs and one album from the internet.
The cost of each song was \$1.95 and the album cost \$4.95.
The total cost of the music was

- A Less than \$9 B More than \$9 but less than \$10
C More than \$10 but less than \$11 D More than \$11

Question 3

Lucy paid \$3.35 for her lunch.
What did she buy?

LUNCH MENU	
Salad	\$2.80
Sandwich	\$2.75
Water	\$2.00
Fruit	55c

- A A sandwich and water B A sandwich and fruit
C A salad and water D A salad and fruit

Question 4

What is \$10 as a percentage of \$40?

- A 4% B 10% C 25% D 40%

Question 5

A cake shop makes about 80 cents profit on each small cake and about \$4.15 on each big cake. The shop sells 47 big cakes and 204 small cakes.

What is the **best estimate** of how much profit the shop makes?

- A \$350 B \$380 C \$400 D \$430

Question 6

In 2007, MP3 players cost \$380 each.
At the end of 2009, their price had fallen by 35%.
The 2009 price of MP3 players was closest to

- A \$133 B \$247 C \$345 D \$350

Question 7



Gerry wants to buy this laptop.
What is the difference in the price of the laptop if Gerry chooses to pay monthly rather than paying the advertised price?

- A \$1 B \$181 C \$359 D \$809

Question 8

A bookshop has a sale.
A book normally costing \$39.95 is priced at \$23.97.
By what percentage has the price been reduced?

- A 16% B 40% C 60% D 67%

Question 9

At a sale, a jacket is marked down from \$40 to \$28.
What percentage discount is this?

- A 12% B 28% C 30% D 70%

Question 10

David and Sarah both bought a T-shirt and hat.
They each spent the same amount of money.

David's T-shirt cost \$28.90 and his hat cost \$21.10.
Sarah's T-shirt cost \$30.95.

How much did Sarah's hat cost?

- A \$19.05 B \$19.15 C \$20.395 D \$21.10

Question 11

Zoe bought a bike on sale at 15% off the original price.
The original price was \$420.
How much did Zoe pay for the bike?

- A \$63 B \$357 C \$378 D \$405

Question 12

Kelly bought an autographed football shirt for \$150. The value of the shirt increased by 10%. What is the shirt now worth?

- A \$160 B \$165 C \$170 D \$175

Question 13

Sean's pocket money of \$20 is increased by 30%.

His new allowance is:

- A \$23 B \$26 C \$20.30 D \$30

Question 14

Jessica's water bill was \$360 last month, \$90 less than the month before.

By what percentage did her bill decrease?

A 80%

B 75%

C 20%

D 25%

Question 15

At the start of 2009 the world price of sugar was 14 cents per pound.

(A pound is a unit of weight — there are 2.2 pounds in a kilogram.)

The world price of sugar rose by 60% during 2009.

Which calculation gives the world price of sugar **per kilogram** at the end of 2009?

$14 \times 0.6 \div 2.2$

$14 \times 1.6 \times 2.2$

$14 \times 0.6 \times 2.2 + 14$

$(14 \times 0.6 + 14) \div 2.2$

A

B

C

D