



Topic 7 - Financial Math

1

Alan had \$10. He gave some of this money to Kiana.

Alan then gave half of what he had left to Jason.

Jason gave half of what he was given to Lenny.

Lenny received \$1.60.

How much did Alan give to Kiana?

A \$3.20

B \$3.60

C \$4.80

D \$6.40

E \$6.80



2

In the prices below, each shape represents a missing digit.

\$70.2□

\$68.5△

What is the greatest possible difference between the prices?

A \$1.61

B \$1.79

C \$2.21

D \$2.39

E \$2.71

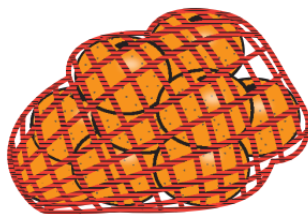


3

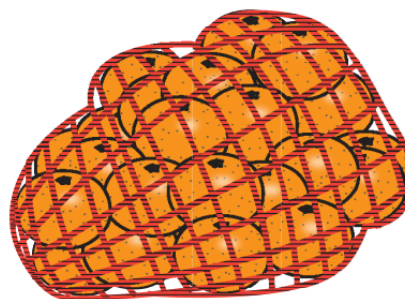
In a shop, there are three ways to buy mandarins, as shown.



1 mandarin
for \$0.50



bag of 10 mandarins
for \$4.50



bag of 30 mandarins
for \$13.00

Jack has \$25. What is the largest number of mandarins he can buy?

- A 50
- B 54
- C 55
- D 56
- E 60



4

Alex had \$76.

He spent some of it in a shop.

Then he gave half of what he had left to Charlie.

Charlie spent a quarter of what Alex gave him on lunch.

Charlie spent \$9 on lunch.

How much did Alex spend in the shop?

A \$4

B \$12

C \$14

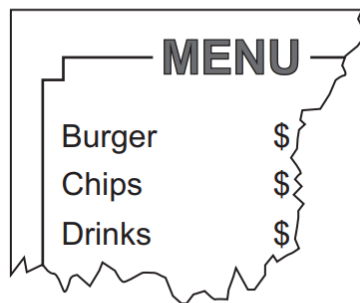
D \$36

E \$40



5

Here is part of a menu from a café. The prices have been torn off.



A burger and a drink cost \$6.00 in total.

Chips and a drink cost \$3.75 in total.

A burger, chips and a drink cost \$8.50 in total.

How much does a burger and chips cost in total?

- A \$2.25
- B \$4.75
- C \$7.25
- D \$7.75
- E \$9.75



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Answer Key

1	<p>We can work backwards:</p> <p>Lenny received \$1.60 from Jason, which is half of what Jason received, so Jason must have received \$3.20 ($\\$1.60 \times 2 = \\$3.20$).</p> <p>Jason received \$3.20 from Alan, which is half of what Alan had left, so Alan must have had \$6.40 left ($\\$3.20 \times 2 = \\$6.40$).</p> <p>If Alan had \$6.40 left after giving some money to Kiana, he must have given Kiana $\\$10 - \\$6.40 = \\$3.60$. So the correct answer is B \$3.60.</p> <p>Alternatively, we could draw a diagram to help us to work it out:</p> <div data-bbox="337 772 1187 1150" data-label="Diagram"></div>
2	B
3	D
4	A
5	C