AnswersPercent

1. Pierre and his friends order from a hot dog stand.

Menu

| Jumbo Hot Dog | 2^{75} |
| Cola | 1^{35} |

Tax included

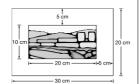Based on the price list given, how many hot dogs and colas do they buy with $17.80?

F 3 hot dogs and 5 colas 15

G 5 hot dogs and 3 colas 17.8

H 6 hot dogs and 4 colas

J 5 hot dogs and 5 colas

2. A ball is dropped from a height of 10 m above the ground. It bounces to **90% of its previous height** on each bounce.

What is the approximate height that the ball bounces to on the **fourth** bounce?

A 2.8 m

B 4.3 m

C 6.6 m

D 7.2 m

3. A frame around a photograph is 5 cm wide.

What **percentage** of the entire area is the frame?

a 25%

b 33%

c 50%

d 67%

4. In a soccer league, a win counts for 2 points, a tie counts for 1 point and a loss counts for 0 points. A soccer team has 5 wins, 2 ties and 3 losses.

If the team continues to win, tie and lose in the same ratio, which of the following values is the best prediction of their point total after 40 games?

a 36 points

b 48 points

c 96 points

d 480 points

5. What is the sale price of the skateboard?

Regular Price $160

All items 25% off

a $40.00

b $64.00

c $120.00

d $135.00

6. The advertisement below shows the sale price of a big-digit calculator.

Sale Price $7.99 Save 50%

Big-digit calculator

What is the best estimate of the **regular price** of the big-digit calculator?

a $12

b $14

c $16

d $18

7. Juan would like to order some stationery items from a catalogue. He can spend up to $15.00 but not more.

Guaranteed Low Prices!

$3.13/item	$2.39/item	$4.28/item
1" Binder	Glue Stick	Mechanical Pencil
$1.96/item	$6.49/item	$1.51/item
Notebook	Stapler	Steel Clip

Plus 15% tax on all items

Which of the following groups of items, including 15% tax, can Juan afford to buy with his $15.00?

a One binder, one stapler and three steel clips 16.27

b Two steel clips, two binders and two notebooks 15.18

c One notebook, one stapler and one mechanical pencil 13.37

d One binder, one glue stick and two mechanical pencils 16.19

8. Josie works in a sports store. She receives 8% of the total sales each day. One day, she receives $35 for her portion of the total sales. What are the total sales for that day?

a $37.80

b $43.75

c $280.00

d $437.50

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9.

Competing Sales

Sam is interested in buying a TV. At Fair Deal, the TV is regularly priced at $599.99 and is on sale for 20% off the regular price. At Big Big Discount, the same TV is regularly priced at $899.99 and is on sale for 30% off the regular price.

What is the difference in the sale price of the TV between these two stores?

Show your work.

Fair Deal

Discount:

599.99 x .2 = 120.00

Sale price:

599.99 - 120.00 = 479.99

Big Big Discount

Discount:

899.99*.3 = 270.00

Sale price:

899.99 - 270.00 = 629.99

Difference between stores: 629.99 - 479.99 = $150

Fair Deal is $150 cheaper than the Big Big Discount store.

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