Name

Probability Random Variables - Probability Table to Fair Ticket Price

1 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$0	0.30
$15	0.40
$25	0.30

A	B	C	D
$13.5	$13	$25	$0

2 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$10	0.40
$15	0.40
$20	0.20

A	B	C	D
$13.5	$20	$10	$14

3 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$10	0.80
$15	0.10
$20	0.10

A	B	C	D
$11	$10	$11.5	$20

4 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$5	0.50
$15	0.20
$20	0.30

A	B	C	D
$11	$20	$11.5	$5

5 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$10	0.20
$20	0.50
$25	0.30

A	B	C	D
$19.5	$19	$10	$25

6 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$0	0.10
$10	0.80
$15	0.10

A	B	C	D
$15	$9.5	$9	$0

7 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$0	0.40
$10	0.20
$15	0.40

A	B	C	D
$0	$8	$15	$7.5

8 What ticket price would make this a fair game?

A fair ticket price equals the expected prize. Find it.

Prize	$P(X)$
$5	0.60
$15	0.30
$20	0.10

A	B	C	D
$9.5	$20	$5	$9