## This version of Total HTML Converter is unregistered.

Quiz: Dividing Radicals

Question 1a of 14 (2 Dividing Radicals 92157)
Maximum Attempts: 1
Question Type:
Multiple Choice
Maximum Score:
Question:
2
Which inequality represents all values of $x$ for which the quotient below is defined?
$\sqrt{7 x^{2}} \div \sqrt{3 x}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>1$ |  |
| B. | $x \geq 0$ |  |
| *C. | $x>0$ | Correct! |
| D. | $x>-1$ |  |



The correct answer is: $x>0$.

Question 1b of 14 (2 Dividing Radicals 295308 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2

Question:
Which inequality represents all values of $x$ for which the quotient below is defined?


|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>-1$ |  |
| *B. | $x>0$ | Correct! |
| C. | $x \geq 0$ |  |
| D. | $x>1$ |  |



The correct answer is: $x>0$.

Question 1c of 14 ( 2 Dividing Radicals 295309)
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

Multiple Choice
2
Which inequality represents all values of $x$ for which the quotient below is defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $x>0$ | Correct! |
| B. | $x \quad 0$ |  |
| C. | $x>1$ |  |
| D. | $x>-1$ |  |

Global Incorrect Feedback

The correct answer is: $x>0$.

Question 2a of 14 (2 Dividing Radicals 92158 )
Maximum Attempts: 1

Question Type:
Maximum Score:
Question:

Multiple Choice
2
Which inequality represents all values of $x$ for which the quotient below is defined?
$\sqrt{30(x-1)} \div \sqrt{5 x^{2}}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>1$ |  |
| B. | $x<-1$ |  |
| C. | $x \leq-1$ |  |
| *D. | $x \geq 1$ | Correct! |

Global Incorrect Feedback
The correct answer is: $x \geq 1$.

Question 2b of 14 ( 2 Dividing Radicals 295310 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which inequality represents all values of $x$ for which the quotient below is defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $x \geq 1$ | Correct! |
| B. | $x<-1$ |  |
| C. | $x \leq-1$ |  |
| D. | $x>1$ |  |

Global Incorrect Feedback
The correct answer is: $x \quad 1$.

Question 2c of 14 (2 Dividing Radicals 295311)

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
2

Multiple Choice

Which inequality represents all values of $x$ for which the quotient below is defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>1$ |  |
| B. | $x<-1$ |  |
| *C. | $x \quad 1$ | Correct! |
| D. | $x \quad-1$ |  |

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Alg
Question 3a of 14 ( 3 Dividing Radicals 92159 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

|  |
| :--- |
| *A. |
| Choice |
| $\sqrt{\frac{7 x}{3}}$ |
| Feedback |
| B. |
| $\sqrt{\frac{7 x}{3}}$ |
| C. |
| $\sqrt{\frac{7 x^{3}}{3}}$ |
| D. |
| $\sqrt{21 x^{3}}$ |

Multiple Choice
2
Which choice is equivalent to the quotient shown here for acceptable values of $x$ ?
$\sqrt{7 x^{2}} \div \sqrt{3 x}$

## This version of Total HTML Converter is unregistered.

Alg
Question 3c of 14 ( 3 Dividing Radicals 295313 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score:
Question:
Which choice is equivalent to the quotient shown here for acceptable values of $x$ ?

|  | Choice | Feedback |
| :--- | :---: | :--- |
| A. | $\ddots 4 x^{3}$ |  |
| *B. | $\overline{5}$ | Correct! |
| C. | $\ddots$ |  |
| D. | $\sqrt{9 \times x}$ |  |

Global Incorrect Feedback
The correct answer is: $\sqrt{\frac{5 x}{5}}$.

## Question 4a of 14 ( 3 Dividing Radicals 92160 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here for acceptable values of $x$ ?
$\sqrt{30(x-1)} \div \sqrt{5(x-1)^{2}}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $\sqrt{6(x-1)}$ |  |
| B. | $\sqrt{30(x-1)-5(x-1)^{2}}$ |  |
| C. |  |  |
| *D. |  | Correct! |

Global Incorrect Feedback

The correct answer is:

Question 4b of 14 ( 3 Dividing Radicals 295314 )

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Alg

|  | Choice | Feedback |
| :---: | :---: | :---: |
| * $\mathbf{A}$. | $\frac{5}{1 \frac{L}{i} \because-1}$ | Correct! |
| B. | ísolu- |  |
| C. | $i x i r-i-r i v-i{ }^{4}$ |  |
| D. | $\cdots$ |  |

Global Incorrect Feedback
The correct answer is: $\sqrt{\frac{L}{1 \therefore-\cdots}}$.

Question 4c of 14 ( 3 Dividing Radicals 295315 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice 2
Which choice is equivalent to the quotient shown here for acceptable values of $x$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $\sqrt{6(x-1)}$ |  |
| B. | $\sqrt{\frac{6}{(x-1)}}$ | Correct! |
| *C. | $\sqrt{2}$ |  |
| D. | ,$\quad$ |  |

Global Incorrect Feedback
The correct answer is: $\sqrt{\frac{6}{(x-1)}}$.

Question 5a of 14 ( 3 Dividing Radicals 92161 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score:
Question:
Which choice is equivalent to the quotient shown here when $x>0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. |  |  |
| B. | $2 x$ |  |
| C. |  |  |
| *D. |  | Correct! |

Global Incorrect Feedback
The correct answer is:

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Alg
Question 5b of 14 ( 3 Dividing Radicals 295316 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?

$$
y^{\prime} B y^{2} \div i^{\prime}=x
$$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x^{2} \sqrt{2}$ |  |
| *B. | $x \sqrt{2}$ | Correct! |
| C. | $\sqrt{2 x}$ |  |
| D. | $2 x$ |  |



The correct answer is: $x \sqrt{2}$.

Question 5c of 14 ( 3 Dividing Radicals 295318 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $x \sqrt{2}$ | Correct! |
| B. | $x^{2} \sqrt{2}$ |  |
| C. | $\sqrt{2 x}$ |  |
| D. | $2 x$ |  |

Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?

| Global Incorrect Feedback |
| :--- |
| The correct answer is: $x \sqrt{2}$. |

Question 6a of 14 ( 3 Dividing Radicals 92162 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. |  | Correct! |
| B. | $5 x$ |  |
| C. |  |  |
| D. | $5 x^{2}$ |  |

Global Incorrect Feedback
The correct answer is:

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Alg
Question 6b of 14 ( 3 Dividing Radicals 295320 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $\therefore!$ |  |
| B. | $7 x$ |  |
| C. | $7 x^{2}$ |  |
| *D. | $\because \sqrt{?}$ | Correct! |

Global Incorrect Feedback
The correct answer is: $\because \cdot \sqrt{i}$

Question 6c of 14 ( 3 Dividing Radicals 295321 )

Maximum Attempts: Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?
$\sqrt[3]{23} \div \sqrt{1+a^{2}}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $2 x$ |  |
| B. | $x^{2}$ |  |
| *C. | $\ddots$ | Correct! |
| D. | $2 x^{2}$ |  |

Global Incorrect Feedback


Question 7 a of 14 ( 3 Dividing Radicals 92163 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x \quad 0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. |  |  |
| B. |  |  |
| *C. |  | Correct! |
| D. |  |  |

## This version of Total HTML Converter is unregistered.

Alg
Global Incorrect Feedback
The correct answer is: $\frac{3 \sqrt{x}}{4}$.

Question 7b of 14 ( 3 Dividing Radicals 295323 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question: Which choice is equivalent to the quotient shown here when $x \geqq 0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $\frac{2}{5}$ | Correct! |
| B. | $\ddots$ |  |
| C. | $\vdots$ |  |
| D. | $\ddots$ |  |

Global Incorrect Feedback

The correct answer is: is

Question 7c of 14 ( 3 Dividing Radicals 295325 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: Question:

2
Which choice is equivalent to the quotient shown here when $x \geq 0$ ?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. |  |  |
| B. |  |  |
| C. |  |  |
| *D. |  | Correct! |

Global Incorrect Feedback
The correct answer is:

## This version of Total HTML Converter is unregistered.

Alg
Question 8a of 14 ( 3 Dividing Radicals 92164 )
Maximum Attempts:

Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Which choice is equivalent to the quotient shown here when $x>0$ ?
$\sqrt{72 x^{3}} \div \sqrt{50 x^{2}}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $\frac{6 \sqrt{x}}{5}$ | Correct! |
| B. | $\sqrt{22 x}$ |  |
| C. | $\frac{6 x}{5}$ |  |
| D. | $\sqrt{72 x^{3}-50 x^{2}}$ |  |

Global Incorrect Feedback
The correct answer is: $\frac{6 \sqrt{x}}{5}$.

Question 8b of 14 ( 3 Dividing Radicals 295327)
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which choice is equivalent to the quotient shown here when $x>0$ ?

|  | Choice | Feedback |
| :---: | :---: | :---: |
| A. | , 46 |  |
| B. | \% |  |
| *C. | $\frac{7-1}{\square}$ | Correct! |
| D. |  |  |

Global Incorrect Feedback

The correct answer is:

Question 8c of 14 ( 3 Dividing Radicals 295328)

Maximum Attempts: 1
Question Type:
Maximum Score:
Question: Which choice is equivalent to the quotient shown here when $x>0$ ?

## This version of Total HTML Converter is unregistered.

Alg

|  | Choice | Feedback |
| :---: | :---: | :---: |
| A. | $\therefore \square$ |  |
| B. | ソ51]: $32 \%^{*}$ |  |
| C. | $\begin{gathered} 5 . i \\ 4 \end{gathered}$ |  |
| * D. | $\frac{3 \sqrt{\prime}}{4}$ | Correct! |

Global Incorrect Feedback
The correct answer is: $\frac{5}{4}$.

Question 9a of 14 (1 Dividing Radicals 117792 )
Maximum Attempts:
Question Type:
Maximum Score:
Question:

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | True | Correct! |
| B. | False |  |

Global Incorrect Feedback
The correct answer is: True.

Question 9b of 14 (1 Dividing Radicals 295329 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

1
True-False
2
Before the possible values of $x$ for a quotient of radical expressions can be determined, each radicand's possible values of $x$ must be considered.

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | True | Correct! |
| B. | False |  |

The correct answer is: True.

Question 9c of 14 (1 Dividing Radicals 295330 )
Maximum Attempts:
Question Type:
Maximum Score:
Question:

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | True | Correct! |
| B. | False |  |

## This version of Total HTML Converter is unregistered.

Alg
Question 10a of 14 (2 Dividing Radicals 117793)

```
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: For what values of \(x\) is the expression below defined?
\[
\sqrt{x+3}
\]
\begin{tabular}{|l|l|l|}
\hline & Choice & Feedback \\
\hline A. & \(x>3\) & \\
\hline *B. & \(x \geq-3\) & Correct! \\
\hline C. & \(x \geq 3\) & \\
\hline D. & \(x \leq-3\) & \\
\hline
\end{tabular}
```

Global Incorrect Feedback

The correct answer is: $x \geq-3$.

Question 10b of 14 ( 2 Dividing Radicals 295334 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: For what values of $x$ is the expression below defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>4$ |  |
| B. | $x \geq 4$ |  |
| *C. | $x \geq-4$ | Correct! |
| D. | $x \leq-4$ |  |

## Global Incorrect Feedback

The correct answer is: $x \geq-4$.

Question 10c of 14 ( 2 Dividing Radicals 295335 )
Maximum Attempts:
Question Type: Multiple Choice
Maximum Score:
2
Question:
For what values of $x$ is the expression below defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>5$ |  |
| B. | $x$ | -5 |
|  |  |  |
| C. | $x$ | 5 |
| *D. | $x$ | -5 |

Global Incorrect Feedback

The correct answer is: $x \quad-5$.

## This version of Total HTML Converter is unregistered.

Alg
Question 11a of 14 (2 Dividing Radicals 117796 )
Maximum Attempts:
1
Question Type: Multiple Choice
Maximum Score:
2
Question:
For what values of $x$ is the expression below defined?
$\sqrt{1-x}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>1$ |  |
| B. | $x>-1$ |  |
| *C. | $x \leq 1$ | Correct! |
| D. | $x<1$ |  |

## Global Incorrect Feedback

The correct answer is: $x \leq 1$.

Question 11b of 14 (2 Dividing Radicals 295338 )

| Maximum Attempts: | 1 |
| :--- | :--- |
| Question Type: | Multiple Choice |
| Maximum Score: | 2 |
| Question: | For what values of $x$ is the expression below defined? |


|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>2$ |  |
| B. | $x>-2$ |  |
| C. | $x<2$ |  |
| *D. | $x \leq 2$ | Correct! |

Global Incorrect Feedback

The correct answer is: $x \leq 2$.

Question 11c of 14 (2 Dividing Radicals 295339 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2

Question:
For what values of $x$ is the expression below defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x>3$ |  |
| *B. | $x \quad 3$ | Correct! |
| C. | $x>-3$ |  |
| D. | $x<3$ |  |


| Global Incorrect Feedback |
| :--- |
| The correct answer is: $x \quad 3$. |

## This version of Total HTML Converter is unregistered.

Alg
Question 12a of 14 (2 Dividing Radicals 117799 )
Maximum Attempts:
1
Question Type:
Multiple Choice
Maximum Score:
2
Question:
For what values of $x$ is the expression below defined?
$\sqrt{x+3} \div \sqrt{1-x}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $3>x>$ <br> 1 |  |
| B. | $3 \leq x \leq 1$ |  |
| $*$ C. | $-3 \leq x<$ <br> 1 | Correct! |
| D. | $3>x \leq-$ <br> 1 |  |

The correct answer is: $-3 \leq x<1$.

Question 12b of 14
( 2 Dividing Radicals 295341 )
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: For what values of $x$ is the expression below defined?


|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $-4 \leq x<$ <br> 1 | Correct! |
| B. | $4 \leq x \leq 1$ |  |
| C. | $4>x>$ <br> 1 |  |
| D. | $4>x \leq-$ <br> 1 |  |

Global Incorrect Feedback
The correct answer is: $-4 \quad x<1$.

Question 12c of 14 ( 2 Dividing Radicals 295343 )
Maximum Attempts:
Question Type:
Multiple Choice
Maximum Score:
2
Question: $\quad$ For what values of $x$ is the expression below defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $5>x>$ <br> 1 |  |
| B. | $5 \quad x \quad 1$ |  |
| C. | $5>x$ |  |
| 1 | $-5 \quad x<$ |  |
| *D. | -5 <br> 1 | Correct! |

Global Incorrect Feedback
The correct answer is: $-5 \quad x<1$.

Question 13a of 14 ( 2 Dividing Radicals 117801)
Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: For what values of $x$ is the expression below defined?
$\sqrt{2 x^{2}} \div \sqrt{5 x}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x=0$ |  |
| B. | $x<0$ |  |
| C. | $x<1$ |  |
| *D. | $x>0$ | Correct! |

## Global Incorrect Feedback

The correct answer is: $x>0$.

Question 13b of 14 ( 2 Dividing Radicals 295345 )

| Maximum Attempts: | 1 |
| :--- | :--- |
| Question Type: | Multiple Choice |
| Maximum Score: | 2 |
| Question: | For what values of $x$ is the expression below defined? |


|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x=0$ |  |
| B. | $x<0$ |  |
| C. | $x<1$ |  |
| *D. | $x>0$ | Correct! |

Global Incorrect Feedback

The correct answer is: $x>0$.

## Question 13c of 14 ( 2 Dividing Radicals 295346 )

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: For what values of $x$ is the expression below defined?

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x=0$ |  |
| B. | $x<0$ |  |
| C. | $x<1$ |  |
| *D. | $x>0$ | Correct! |

The correct answer is: $x>0$.

## This version of Total HTML Converter is unregistered.

Alg
Question 14a of 14 (3 Dividing Radicals 117826 )
Maximum Attempts:
1
Question Type: Multiple Choice
Maximum Score:
Question:
2
Which choice represents the simplified form of the expression below and the values of $x$ for which it is defined?
$\sqrt{3 x^{3}} \div \sqrt{x}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| *A. | $x \sqrt{3}$ when x <br> $>0$ | Correct! |
| B. | $x \sqrt{3}$ when x <br> $>1$ |  |
| C. | $x \sqrt{3}$ when x <br> $<0$ |  |
| D. | $x \sqrt{2 x}$ when <br> $\mathrm{x}>0$ |  |

Global Incorrect Feedback
The correct answer is: $x \sqrt{3}$ when $x>0$.

Question 14b of 14 (3 Dividing Radicals 295348 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question: Which choice represents the simplified form of the expression below and the values of $x$ for which it is defined?
$\sqrt{2} x^{3}+\sqrt{2}$

|  | Choice | Feedback |
| :--- | :--- | :--- |
| A. | $x \sqrt{5}$ <br> $<0$ | when x |

Global Incorrect Feedback
The correct answer is: when $\mathrm{x}>0$.

Question 14c of 14 (3 Dividing Radicals 295350 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

Multiple Choice
2
Which choice represents the simplified form of the expression below and the values of $x$ for which it is defined?

## This version of Total HTML Converter is unregistered.

Alg

|  | Choice | Feedback |
| :---: | :---: | :---: |
| A. | $\begin{array}{cc} \text { דּ דֹ } \\ >1 \end{array}$ |  |
| *B. |  | Correct! |
| C. |  |  |
| D. | $\begin{aligned} & x \sqrt{2 x} \text { when } \\ & x>0 \end{aligned}$ |  |

## Global Incorrect Feedback

The correct answer is: $x$,if when $x>0$.


[^0]:    Maximum Attempts:
    Question Type:
    Maximum Score:
    Question:

    1
    Multiple Choice
    2
    Which choice is equivalent to the quotient shown here for acceptable values of $x$ ?

