




# DESMOS

## Scientific Calculator Reference Sheet for TABE Test

desmos  
studio PBC

### Calculating with Decimals

To calculate with decimals, enter the whole number, then , and then the fractional part.

Example

$$11.793 - 3.78 \times 2 =$$



The DESMOS Scientific Calculator is shown.




Note that the DESMOS Scientific Calculator follows the order of operations. The multiplication is performed before the subtraction.

**Correct Answer**

4.233

### Calculating with Fractions and Mixed Numbers

To calculate with fractions, use the  button. The (  or  ) button on the computer keyboard can be used to move from the numerator to the denominator.

Example

$$\frac{3}{5} \div 7\frac{2}{3} =$$



The DESMOS Scientific Calculator is shown.




The decimal number can be converted to a fraction by selecting .



**Correct Answer**

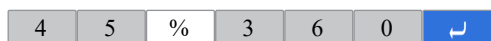
$\frac{9}{115}$

### Calculating with Percents

To calculate with percentages, enter the percent number and use the  button.

Example

$$45\% \text{ of } 360$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

162



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## Scientific Calculator Reference Sheet for TABE Test

### Calculating with Powers and Roots

To calculate with powers, use the  $a^2$  and  $a^b$  buttons. To calculate with roots, use  $\sqrt{\phantom{x}}$  the and  $\sqrt[n]{\phantom{x}}$  buttons.

Example

$$18^2 =$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

324

Example

$$5^6 =$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

15625

Example

$$\sqrt{1089} =$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

33

Example

$$\sqrt[4]{6561} =$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

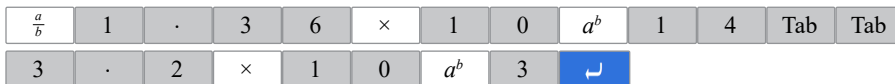
9

### Calculating with Scientific Notation

To calculate in scientific notation, use the  $\times$  and  $a^b$  buttons.

Example

$$\frac{1.36 \times 10^{14}}{3.2 \times 10^3} =$$



The DESMOS Scientific Calculator is shown.



**Correct Answer**

$4.25 \times 10^{10}$