Products of Roots



Codebreaker



Α	В	С	D	Е	F	G	Н	I	J	K	L	M
54	8√14	2√6	9	$\sqrt{12}$	24	$\sqrt{6}$	8√6	12	14√15	20√15	6	15
N	0	Р	Q	R	5	Т	U	V	W	X	У	Z
$\sqrt{35}$	25	$8\sqrt{3}$	4	$\sqrt{54}$	$4\sqrt{14}$	$3\sqrt{8}$	$\sqrt{18}$	36	9√15	3	$3\sqrt{2}$	48

Work out the questions below. Match your answer to a letter in the table above to complete the code in the five boxes at the bottom.

- $\sqrt{2} \times \sqrt{3}$
- $\sqrt{5} \times \sqrt{7}$
- $\sqrt{3} \times \sqrt{3}$
- $\sqrt{2} \times \sqrt{8}$
- $\sqrt{3} \times \sqrt{12}$

- $\sqrt{3} \times \sqrt{27}$
- $3\sqrt{2} \times 2\sqrt{18}$
- $4\sqrt{3} \times 5\sqrt{5}$
- $6\sqrt{2} \times 3\sqrt{7}$
- $\sqrt{2} \times \sqrt{3} \times \sqrt{32}$ 10

- $3\sqrt{3} \times 3\sqrt{12}$
- $7\sqrt{3} \times 2\sqrt{5}$
- $2\sqrt{6} \times 2\sqrt{6}$
- $14 \quad \sqrt{3} \times \sqrt{6} \times \sqrt{8} \quad 15$
- $2\sqrt{2} \times 4\sqrt{18}$





















SOLUTION

Products of Roots ebreaker \boldsymbol{c} E J В D F G H Ι K M $8\sqrt{14}$ $\sqrt{12}$ $\sqrt{6}$ $14\sqrt{15}$ $20\sqrt{15}$ $2\sqrt{6}$ 9 $8\sqrt{6}$ 54 24 12 6 15 0 Ρ R S U V W X У Ζ N Q $\sqrt{35}$ $8\sqrt{3}$ $\sqrt{54}$ $4\sqrt{14}$ $3\sqrt{8}$ $\sqrt{18}$ $9\sqrt{15}$ 3 $3\sqrt{2}$ 4 36 48 25

Work out the questions below. Match your answer to a letter in the table above to complete the code in the five boxes at the bottom.

$$1 \quad \sqrt{2} \times \sqrt{3}$$

$$2 \sqrt{5} \times \sqrt{7}$$

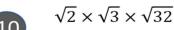
$$3 \sqrt{3} \times \sqrt{3}$$

$$4 \qquad \sqrt{2} \times \sqrt{8}$$

$$\sqrt{3} \times \sqrt{12}$$

 $\sqrt{6}$

 $\sqrt{35}$



6

 $\sqrt{3} \times \sqrt{27}$

$$7 3\sqrt{2} \times 2\sqrt{18}$$

$$8 4\sqrt{3} \times 5\sqrt{5}$$

$$9 6\sqrt{2} \times 3\sqrt{7}$$

$$\begin{array}{c}
\sqrt{2} \times \sqrt{3} \times \sqrt{3} \\
8\sqrt{3}
\end{array}$$

9

36

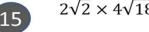
 $20\sqrt{15}$

 $8\sqrt{14}$

$$2\sqrt{2} \times 4\sqrt{18}$$

 $2\sqrt{6} \times 2\sqrt{6}$ 13

 $\sqrt{3} \times \sqrt{6} \times \sqrt{8}$



54

 $3\sqrt{3} \times 3\sqrt{12}$

 $14\sqrt{15}$

 $7\sqrt{3} \times 2\sqrt{5}$

24

12

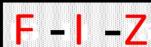
48









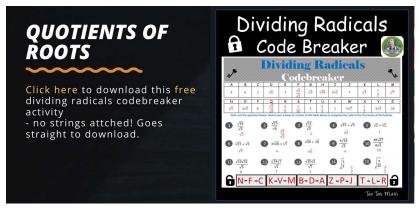




Other free math resources you are welcome to download



https://tentorsmath.com/multiplying-monomialscodebreaker-activity/



https://tentorsmath.com/quotients-of-roots-codebreaker-activity



https://tentorsmath.com/dividing-monomialscodebreaker-activity



https://tentorsmath.com/powers-and-exponents-puzzle



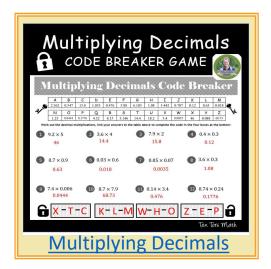
Access my Free Resource Library

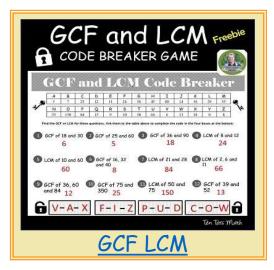
A COLLECTION OF MATH RESOURCES TO BROWSE AND DOWNLOAD

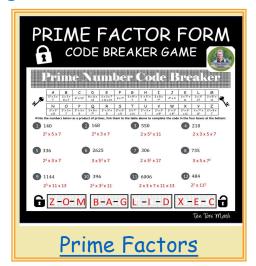
Copy this link to your browser to join my free math resource library

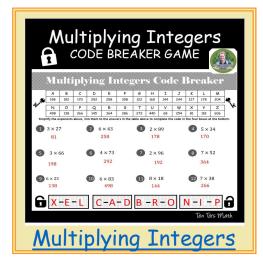
https://bit.ly/TenTorsMathLibrary

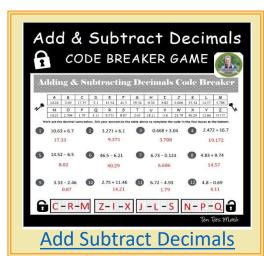
Some more code-breakers you may like! (click the link)

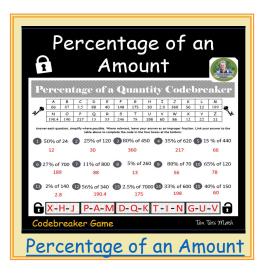




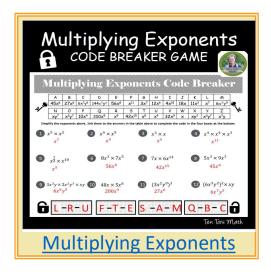


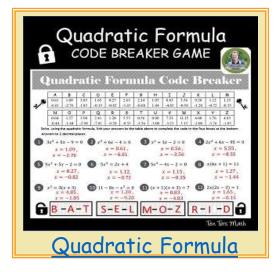


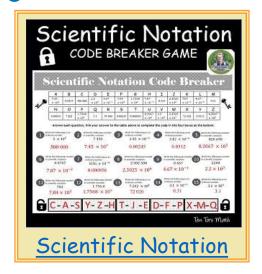


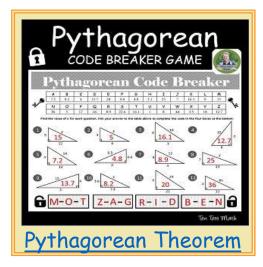


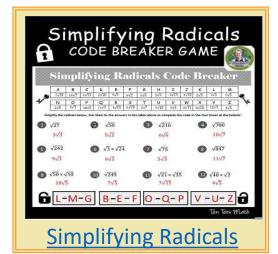
Some more code-breakers you may like! (click the link)

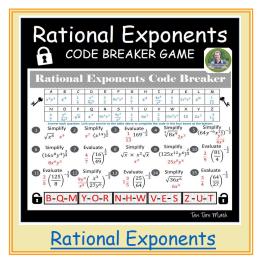




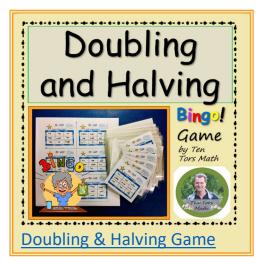


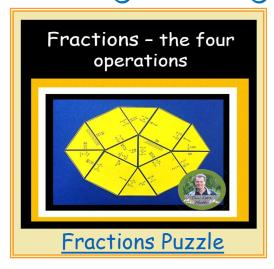


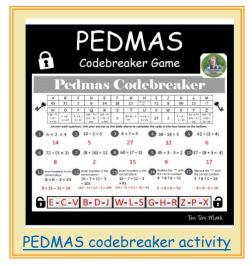


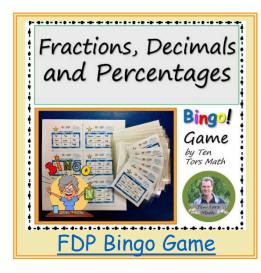


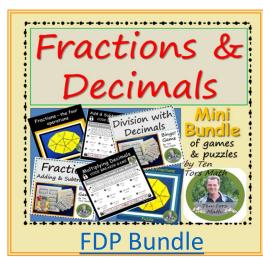
Some more resources you may like! (click the link)

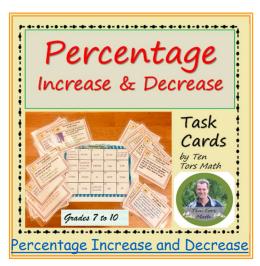












Some more resources you may like! (click the link)



