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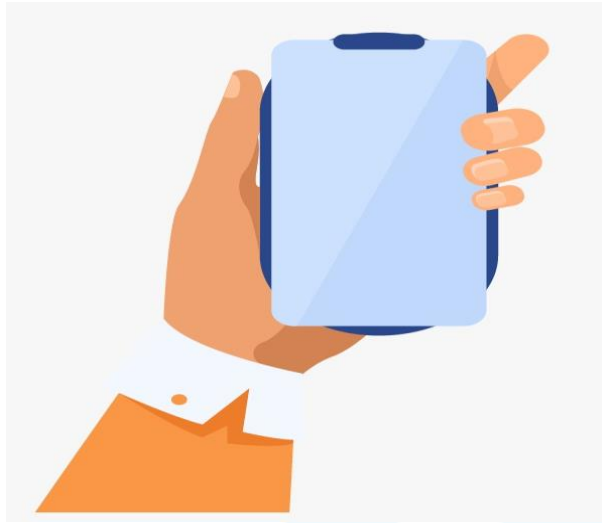
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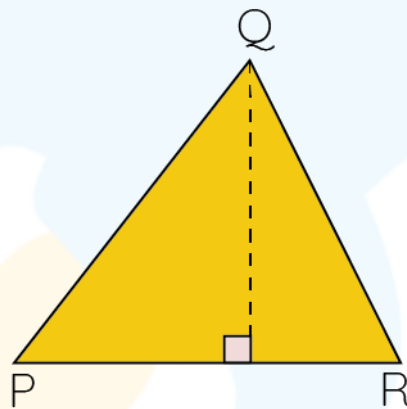
DIVIDING MONOMIALS WORKSHEET I

- 1) Divide $4x^2$ by x .
- 2) Evaluate: $\frac{10x^3}{2x^2}$
- 3) On dividing $3x^8$ by $6x^2$ we will get $2x^6$.
- a) True
b) False
- 4) $\frac{10z^{93}}{2z^8} = 5z$
- a) True
b) False
- 5) $\frac{15a^2 + 9a^4}{3a}$
- a) $15a + 3a^3$
b) $5a + 3a^3$
c) $5a + 9a^3$
d) $5a + 3a^2$
- 6) Simplify: $\frac{4x^2y^2z^2}{xy^2z^2}$
- a) $4x$
b) $4y$
c) $4z$
d) $4xyz$
- 7) Divide the first polynomial by second: $16u^2, (-u)$
- 8) Match the following:
- | | |
|--------------------------|------------|
| a- $\frac{42b}{6b}$ | p- $2b^2$ |
| b- $\frac{49b^2}{-7b}$ | q- $10b^2$ |
| c- $\frac{-4b^7}{-2b^5}$ | r- 7 |
| d- $\frac{10b^3}{b}$ | s- $-7b$ |

9) If the area of a mobile screen is $54x^2$ and its length is $27x$. Find its width.



10) Area of a triangle is given by $8ab$. If its base is $2a$, find its height.



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in an interesting way,
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"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$4x$
2)	$5x$
3)	False
4)	True
5)	a) $5a + 3a^3$
6)	a) $4x$
7)	$-16u$
8)	a-r s-b c-p d-q
9)	$2x$
10)	$8b$

FUN FACT

1. A polynomial that has only one term is called monomial.
2. A **monomial** cannot have a variable for a denominator.
3. Like terms are those that have the same variables raised to the same power.

