

Ques No.	Question
1	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 1 Evaluate. (i) 3^{-2} (ii) $(-4)^{-2}$ (iii) $\left(\frac{1}{2}\right)^{-5}$ ▶ Watch Free Video Solution on Doubtnut
2	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 2 Simplify and express the result in power notation with positive exponent. (i) $(-4)^5 \div (-4)^8$ (ii) $\left(\frac{1}{2^3}\right)^2$ (iii) $(-3)^4 \times \left(\frac{5}{3}\right)^4$ (iv) $(3^{-7} \div 3^{-10}) \times 3^{-5}$ (v) $2^{-3} \times (-7)^{-3}$ ▶ Watch Free Video Solution on Doubtnut
3	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 3 Find the value of. (i) $(3^0 + 4^{-1}) \times 2^2$ (ii) $(2^{-1} \times 4^{-1}) \div 2^{-1}$ (iii) $\left(\frac{1}{2}\right)^{-2} + \left(\frac{1}{3}\right)^{-2} + \left(\frac{1}{4}\right)^{-2}$ (iv) $(3^{-1} + 4^{-1} + 5^{-1})^0$ (v) $\left\{\left(\frac{-2}{3}\right)^{-2}\right\}^2$ ▶ Watch Free Video Solution on Doubtnut
4	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 4 Evaluate (i) $\frac{8^{-1} \times 5^3}{2^{-4}}$ (ii) $(5^{-1} \times 2^{-1}) \times 6^{-1}$ ▶ Watch Free Video Solution on Doubtnut

NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 5

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Find the value of m for which $5^m \div 5^{-3} = 5^5$.

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NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 6

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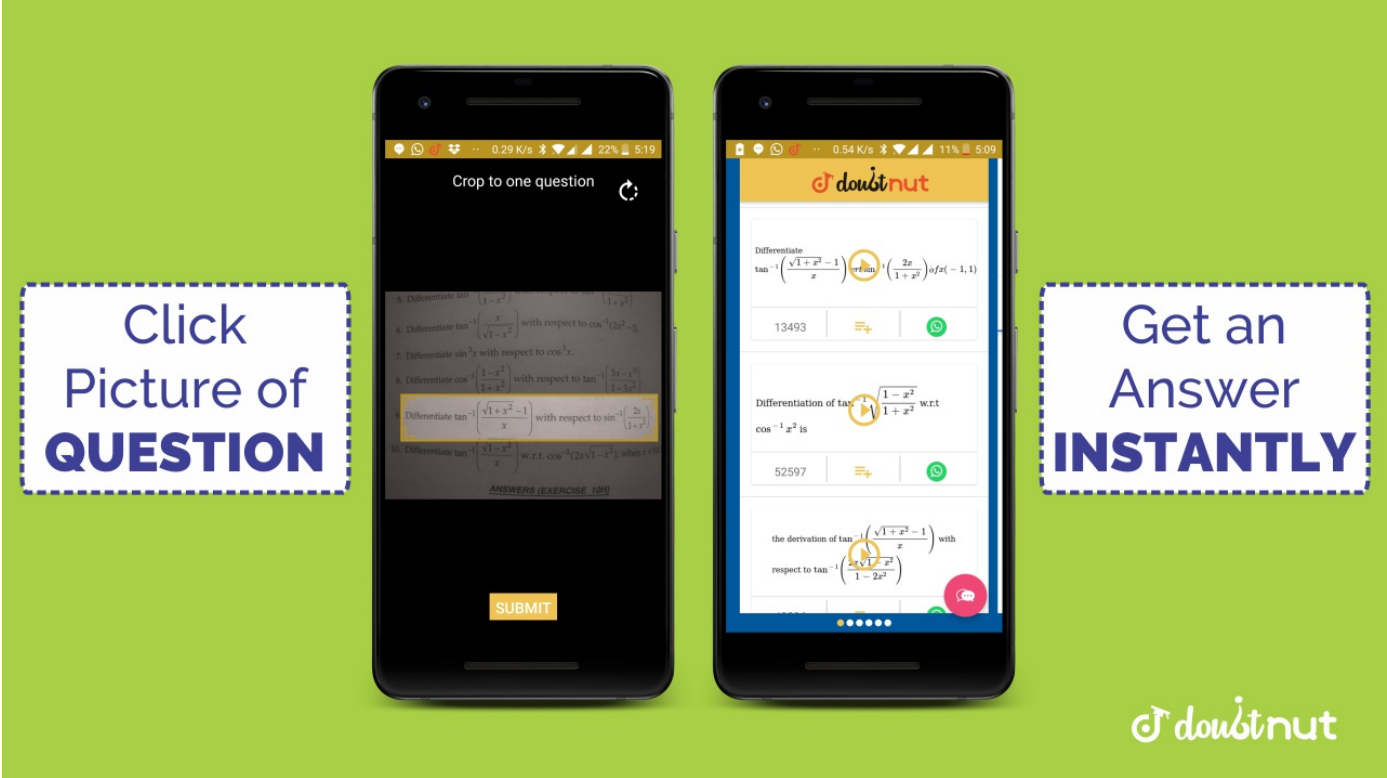
Evaluate

$$\left\{ \left(\frac{1}{3} \right)^{-1} - \left(\frac{1}{4} \right)^{-1} \right\}^{-1}$$

(ii) $\left(\frac{5}{8} \right)^{-7} \times \left(\frac{8}{5} \right)^{-4}$

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7	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.1 - Q 7 Simplify. (i) $\frac{25 \times t^{-4}}{5^3 \times 10 \times t^{-8}} (t \neq 0)$ (ii) $\frac{3^{-5} \times 10^{-5} \times 125}{5^{-7} \times 6^{-5}}$ 📺 Watch Free Video Solution on Doubtnut
8	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.2 - Q 1 Express the following numbers in standard form. (i) 0.00000000000085 (ii) 0.00000000000942 (iii) 6020000000000000 (iv) 31860000000 (v) 0.00000000837 📺 Watch Free Video Solution on Doubtnut
9	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.2 - Q 2 Express the following numbers in usual form. (i) 3.02×10^{-6} (ii) 45×10^4 (iii) $3 \times 10(-8)$ (iv) 10001×10^9 (v) 58×10^{12} (vi) 361492×10^6 📺 Watch Free Video Solution on Doubtnut
10	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.2 - Q 3 Express the number appearing in the following statements in standard form. (i) 1 micron is equal to $\frac{1}{1000000}$ 📺 Watch Free Video Solution on Doubtnut
11	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - EXERCISE 12.2 - Q 4 In a stack there are 5 books each of thickness 20mm and 5 paper sheets each of thickness 0.016 mm. What is the total thickness of the stack. 📺 Watch Free Video Solution on Doubtnut



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NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 1

Find the value of (i) 2^{-3} (ii) $\frac{1}{3^{-2}}$

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NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 2

Simplify (i) $(-4)^5 \times (-4)^{-10}$ (ii) $2^5 \div 2^{-6}$

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NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 3

Express 4^{-3} as a power with the base 2

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NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 4

Simplify and write the answer in the exponential form. (i) $(2^5 \div 2^8)^5 \times 2^{-5}$ (ii) $(-4)^{-3} \times (5)^{-3} \times (-5)^{-3}$

	$\left(\frac{5}{8}\right)^{-7} \times \left(\frac{8}{5}\right)^{-5}$ ▶ Watch Free Video Solution on Doubtnut
19	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 8 Express the following numbers in standard form. (i) 0.000035 (ii) 4050000 ▶ Watch Free Video Solution on Doubtnut
20	NCERT - CLASS 8 - CHAPTER 12 EXPONENTS AND POWERS - SOLVED EXAMPLES - Q 9 Express the following numbers in usual form. (i) 3.52×10^2 (ii) 7.54×10^{-4} (iii) 3×10^{05} ▶ Watch Free Video Solution on Doubtnut
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