

MATHEMATICS
GRADE 8
PRACTICE
QUESTIONS

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1. Convert 0.2 ? into a fraction.

1. $\frac{1}{5}$
2. $\frac{11}{50}$
3. $\frac{2}{9}$
4. $\frac{2}{7}$

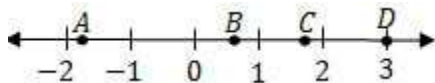
2. What is the decimal expansion of $\frac{5}{6}$?

1. 0.(56)
2. 0.83
3. 0.56
4. 1.2

3. Which number is the closest approximation to $\frac{\pi}{4}$?

1. 0.85
2. 1.0
3. 0.785
4. 1.273

4. Without using a calculator, identify which point on the number line could be $\sqrt{3}$?



1. Point A
2. b. Point B
3. Point C
4. Point D

5. Simplify $5^2 \times 5^4 \times 5^{-4} \times 5^{-2}$.

1. 1
2. 5
3. 0
4. 2.5

6. Simplify $(\frac{2}{3})^{-3}$.

1. $\frac{8}{27}$
2. $\frac{27}{8}$
3. $-\frac{8}{27}$
4. $-\frac{27}{8}$

7. Solve the equation for x: $x^2=16$

1. $x=4$
2. $x=\pm 4$
3. $x=8$
4. $x=\pm 8$

8. Solve the equation for x: $x^3=-27$

1. $x=-9$
2. $x=\pm 9$
3. $x=-3$
4. $x=\pm 3$

9. What is the decimal notation of 7×10^{-4} ?

1. 70,000
2. 7,000

3. 0.00007

4. 0.0007

10. What is 0.0143 written in scientific notation?

1. 1.43×10

2. 1.43×10^2

3. 1.43×10^{-1}

4. 1.43×10^{-2}