

Name : _____

Square Root - Perfect Square

Fractions: S2

A) Find the values of the following.

1) $\sqrt{\frac{4}{576}}$

2) $\sqrt{\frac{169}{81}}$

3) $\sqrt{\frac{676}{9}}$

4) $\sqrt{\frac{361}{64}}$

5) $\sqrt{\frac{25}{100}}$

6) $\sqrt{\frac{400}{225}}$

B) Find the square roots of

1) $\frac{529}{841}$

$\frac{784}{625}$

4) $\frac{961}{36}$

$\frac{196}{784}$

PREVIEW

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C) 1) Find the value of $\sqrt{\frac{4}{9}}$.

i) $\frac{2}{3}$

ii) $\frac{3}{4}$

iii) $\frac{4}{3}$

iv) $\frac{8}{18}$

2) Find the number, when multiplied by itself gives $\frac{144}{361}$.

i) $\frac{6}{3}$

ii) $\frac{12}{19}$

iii) $\frac{19}{12}$

iv) $\frac{18}{19}$

Square Root - Perfect Square

A) Find the values of the following.

1) $\sqrt{\frac{4}{576}}$

$\frac{1}{12}$

2) $\sqrt{\frac{169}{81}}$

$\frac{13}{9}$ or $1\frac{4}{9}$

3) $\sqrt{\frac{676}{9}}$

$\frac{26}{3}$ or $8\frac{2}{3}$

4) $\sqrt{\frac{361}{64}}$

$\frac{19}{8}$ or $2\frac{3}{8}$

5) $\sqrt{\frac{25}{100}}$

$\frac{5}{10}$

6) $\sqrt{\frac{400}{225}}$

$\frac{4}{3}$ or $1\frac{1}{3}$

B) Find the square roots of

1) $\frac{529}{841}$

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$\frac{784}{625}$

$\frac{23}{29}$

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$\frac{28}{25}$ or $1\frac{3}{25}$

4) $\frac{961}{36}$

$\frac{31}{6}$ or $5\frac{1}{6}$

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$\frac{196}{784}$

$\frac{1}{2}$

C) 1) Find the value of $\sqrt{\frac{4}{9}}$.

i) $\frac{2}{3}$

ii) $\frac{3}{4}$

iii) $\frac{4}{3}$

iv) $\frac{8}{18}$

2) Find the number, when multiplied by itself gives $\frac{144}{361}$.

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