

Expressions & Equations

Task Cards 8.EE.2

20 Task Cards, Recording Sheet, Answer Sheet

8.EE.2

Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

1

Solve the following:

$$x^2 = 16$$

8.EE.2

2

Solve the following:

$$x^2 = 49$$

8.EE.2

3

Solve the following:

$$x^3 = 64$$

8.EE.2

4

Solve the following:

$$x^3 = 125$$

8.EE.2

9

Solve the following:

$$\sqrt[3]{125}$$

10

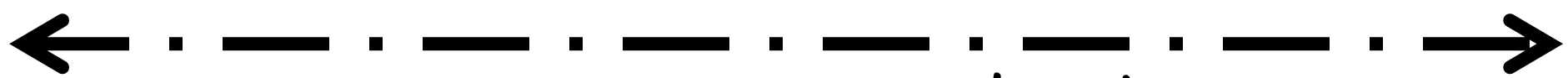
Solve the following:

$$\sqrt[3]{216}$$



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8.EE.2



Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

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Solve the
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$$x^3 = 64$$

8.EE.2

4

Solve the
following:

$$x^3 = 125$$

8.EE.2

5

Solve the
following:

$$\sqrt{121}$$

8.EE.2

6

Solve the
following:

$$\sqrt{4}$$

8.EE.2

7

Solve the
following:

$$\sqrt{1}$$

8.EE.2

8

Solve the
following:

$$\sqrt{81}$$

8.EE.2

9

Solve the
following:

$$\sqrt[3]{125}$$

8.EE.2

10

Solve the
following:

$$\sqrt[3]{216}$$

8.EE.2

11

Solve the
following:

$$\sqrt[3]{1000}$$

8.EE.2

12

Solve the
following:

$$\sqrt[3]{64}$$

8.EE.2

13

Solve the
following:

$$x^2 = 50$$

8.EE.2

14

Solve the
following:

$$x^2 = 32$$

8.EE.2

15

Solve the
following:

$$x^3 = 50$$

8.EE.2

16

Solve the
following:

$$x^3 = 100$$

8.EE.2

17

Determine if the
following number
is rational or
irrational

$$\sqrt{2}$$

8.EE.2

18

Determine if the
following number
is rational or
irrational

$$\sqrt{16}$$

8.EE.2

19

Determine if the
following number
is rational or
irrational

$$\sqrt{4}$$

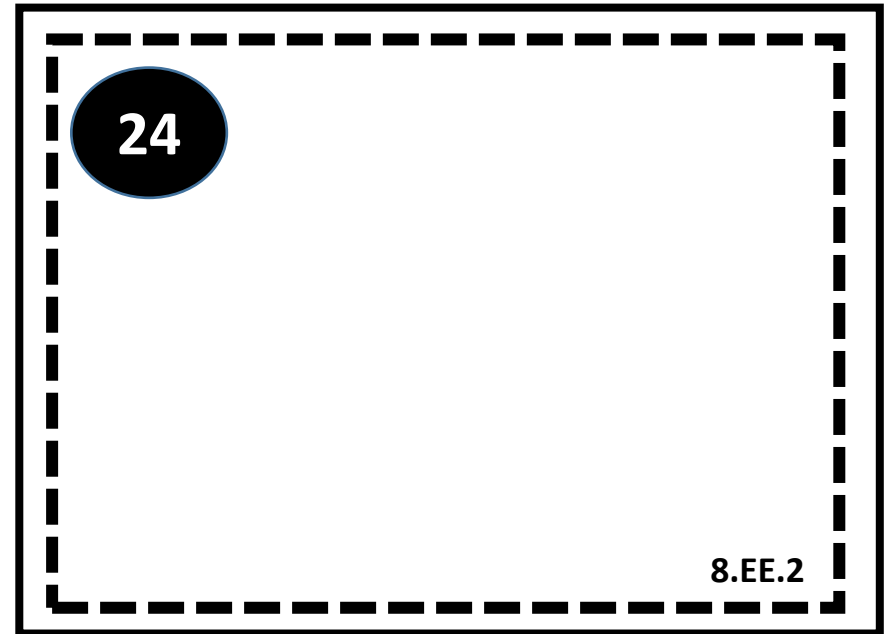
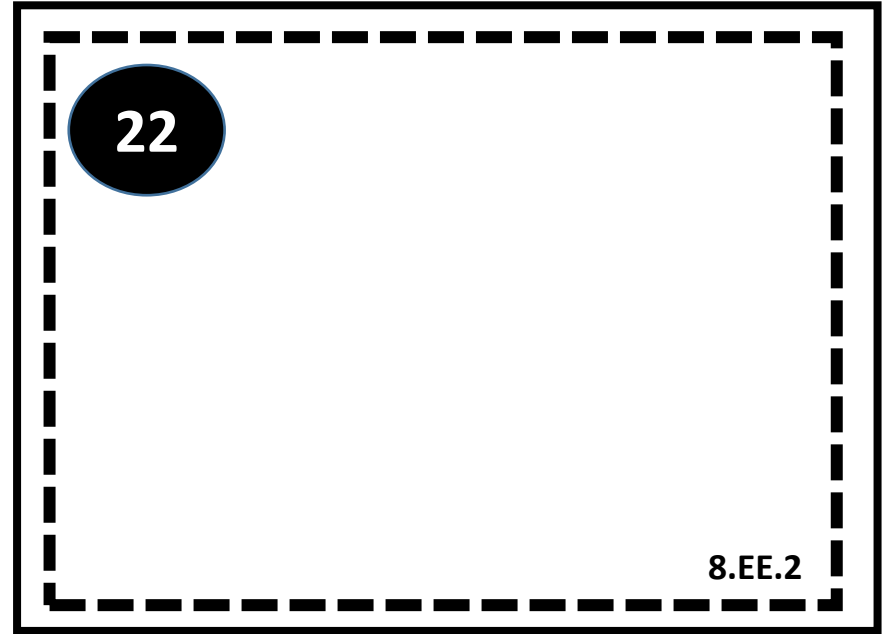
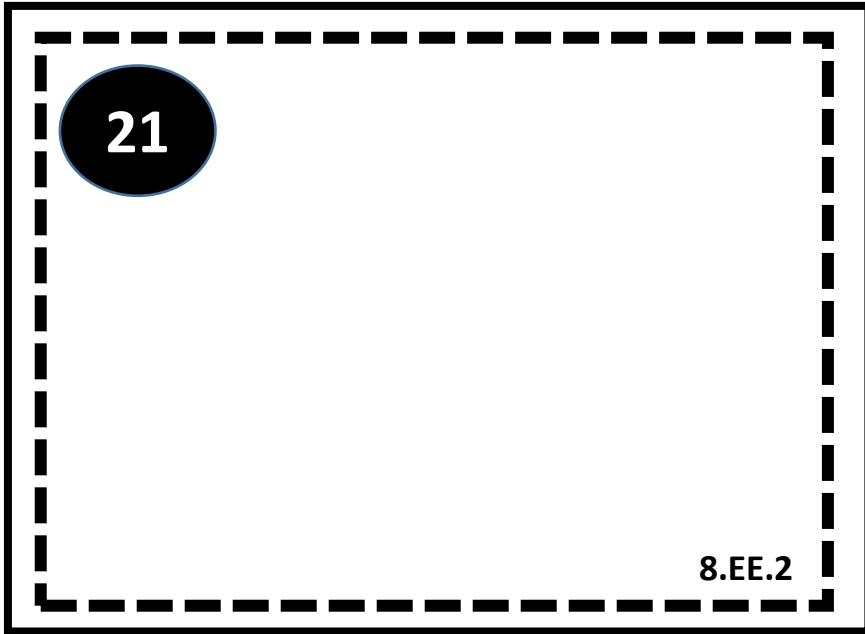
8.EE.2

20

Determine if the
following number
is rational or
irrational

$$\sqrt{50}$$

8.EE.2



1

Solve the
following:

$$x^2 = 16$$

8.EE.2

2

Solve the
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8.EE.2

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Solve the
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8.EE.2

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8.EE.2

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8.EE.2

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8.EE.2

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8.EE.2

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Solve the
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8.EE.2

17

Determine if the
following number
is rational or
irrational

$$\sqrt{2}$$

8.EE.2

18

Determine if the
following number
is rational or
irrational

$$\sqrt{16}$$

8.EE.2

19

Determine if the
following number
is rational or
irrational

$$\sqrt{4}$$

8.EE.2

20

Determine if the
following number
is rational or
irrational

$$\sqrt{50}$$

8.EE.2

21

8.EE.2

22

8.EE.2

23

8.EE.2

24

8.EE.2

Name _____

Hour _____

8.EE.2 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____

Hour _____

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

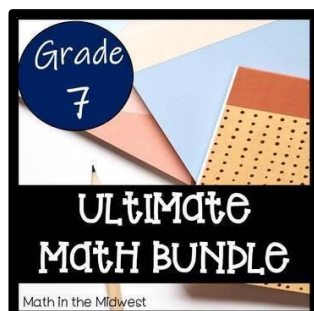
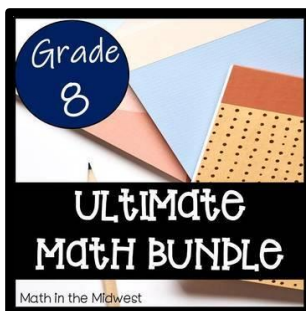
Answer Key

Number	Answer
1	4
2	7
3	4
4	5
5	11
6	2
7	1
8	9
9	5
10	6

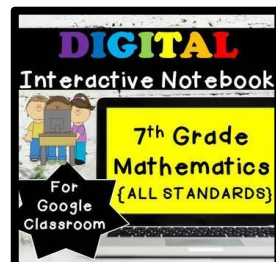
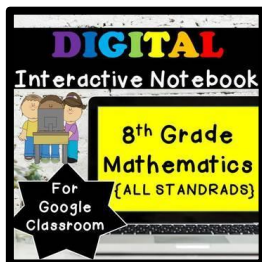
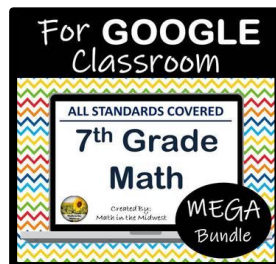
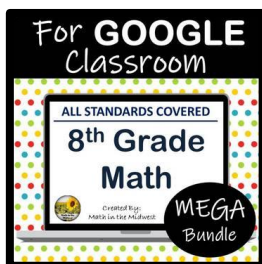
Number	Answer
11	10
12	4
13	7.1
14	5.7
15	3.7
16	4.6
17	Irrational
18	Rational
19	Rational
20	Irrational

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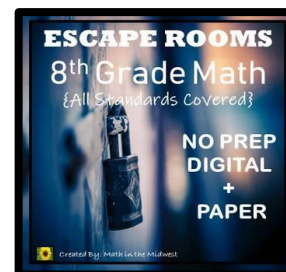
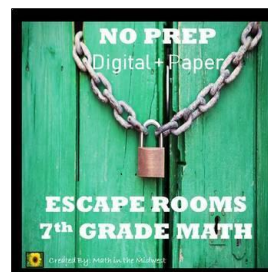
Ultimate Bundles:



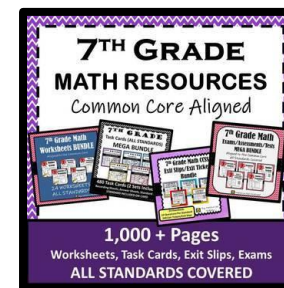
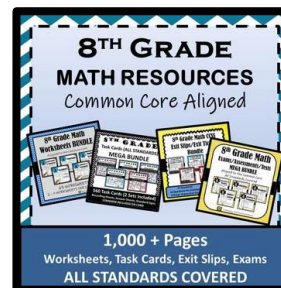
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