

Ratios & Proportional Relationships

Task Cards 7.RP.1

20 Task Cards, Recording Sheet, Answer Sheet

7.RP.1

← Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. For example, if a person walks $\frac{1}{2}$ mile each $\frac{1}{4}$ hour, compute the unit rate the complex fraction $\frac{1/2}{1/4}$ mile per hour, equivalently 2 miles per hour.

9

A cookie recipe calls for $\frac{3}{4}$ cup of flour and $\frac{1}{2}$ cup of sugar. If you use 4.5 cups of flour, how many cups of sugar do you need?

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An airplane can cruise at 570 mph. How far can it fly in $\frac{4}{3}$ hours?

7.RP.1

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If you finish 20 math problems in $15\frac{1}{5}$ minutes. What was your unit rate?

7.RP.1

11

Charlie uses $7\frac{3}{4}$ scoops drink mix to make 25 drinks. How much drink mix would he need to make one drink?

7.RP.1

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If you finish 20 math problems in $15\frac{1}{5}$ minutes. What was your unit rate?

7.RP.1



Created by:
Math in the Midwest

7.RP.1

← ———— →
Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.

For example, if a person walks $\frac{1}{2}$ mile in each $\frac{1}{4}$ hour, compute the unit rate as the complex fraction $\frac{1/2}{1/4}$ miles per hour, equivalently 2 miles per hour.

1

Write an equivalent unit rate to eating 5 potato chips in $\frac{1}{4}$ of a minute.

7.RP.1

2

Write an equivalent unit rate to running $\frac{3}{4}$ a mile in 4.5 minutes.

7.RP.1

3

If jogging burns on average 140 calories every 15 minutes. How many calories are you burning in one hour?

7.RP.1

4

Write an equivalent unit rate to selling 15 cookies in $\frac{1}{8}$ of an hour.

7.RP.1

5

Kara takes 4.5 hours to deliver 396 newspapers. What is the rate per hour she is delivering the newspapers?

7.RP.1

6

Write an equivalent unit rate to running $\frac{5}{4}$ a mile in 9 minutes.

7.RP.1

7

If mowing burns on average 115 calories every 20 minutes. How many calories are you burning in one hour?

7.RP.1

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Write an equivalent unit rate to eating 4 hot dogs in $\frac{1}{3}$ of a minute.

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If you purchased 5 apples for \$2.99. What is the cost per apple?

7.RP.1

14

Josh can run 14 laps in 25 minutes. How many laps can he run per minute?

7.RP.1

15

Pattie can make 480 chicken nuggets in 8 hours. How many chicken nuggets can she make in one hour?

7.RP.1

16

Zach and his friend can paint $\frac{6}{7}$ of a picture in $\frac{3}{14}$ of an hour, how many pictures can they paint in a full hour?

7.RP.1

17

Lizzy can walk 2 miles in $\frac{7}{10}$ of an hour. How fast does she walk per hour?

7.RP.1

18

Billy walks $\frac{3}{4}$ of a mile in $\frac{1}{4}$ of an hour. How fast does he walk per hour?

7.RP.1

19

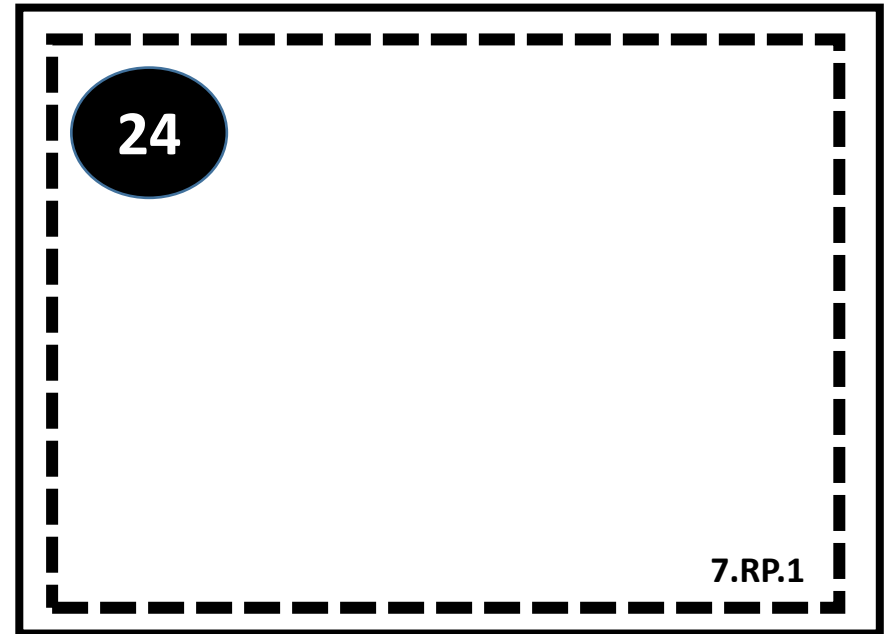
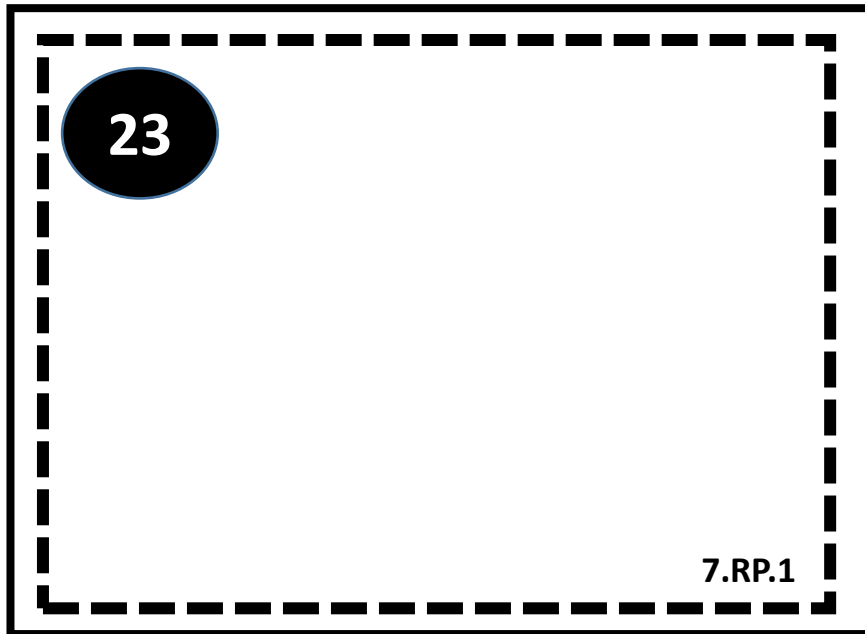
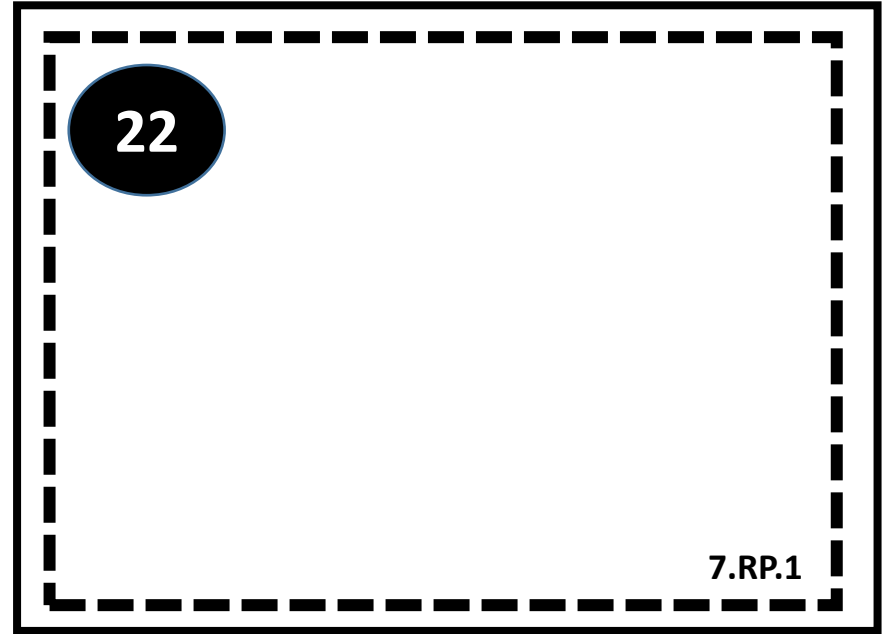
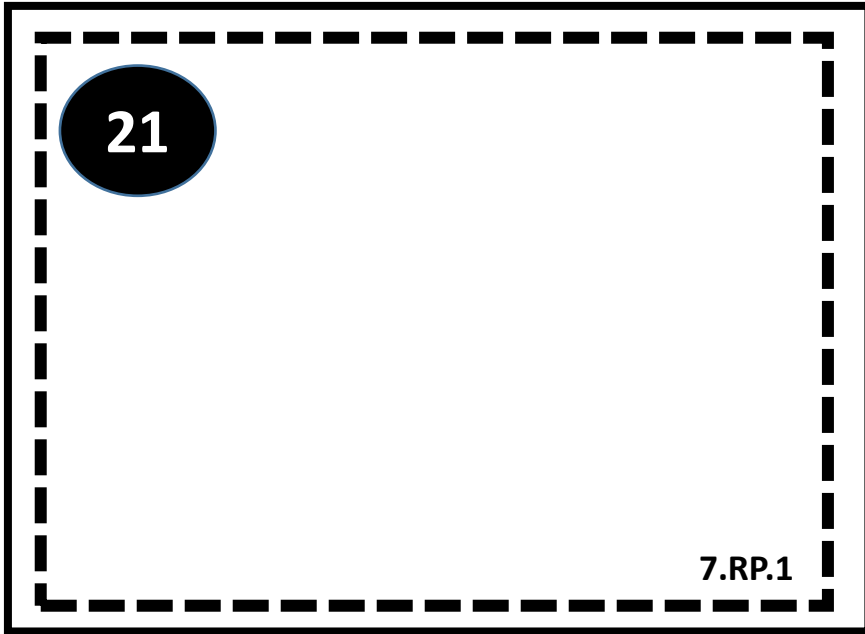
A farmer harvests $\frac{1}{6}$ of his crop every $3\frac{1}{3}$ days. How much of his crop is he harvesting every day?

7.RP.1

20

If there are 120 7th graders in 6 classes. Find the unit rate.

7.RP.1



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21

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22

7.RP.1

23

7.RP.1

24

7.RP.1

Name _____

Hour _____

7.RP.1 Recording Sheet

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

Name _____

Hour _____

10.

11.

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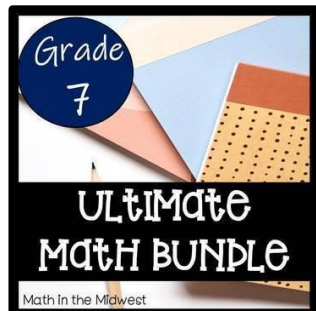
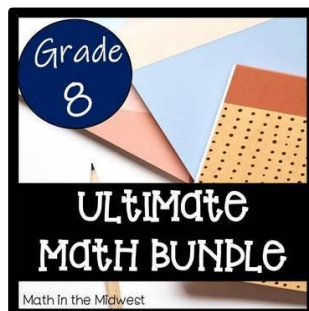
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Answer Key

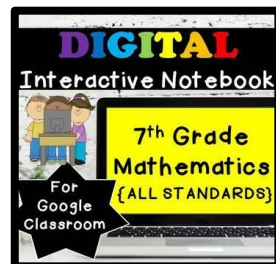
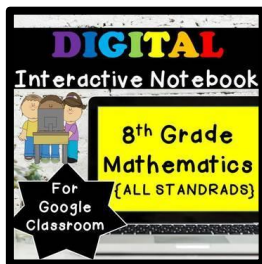
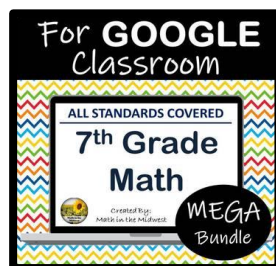
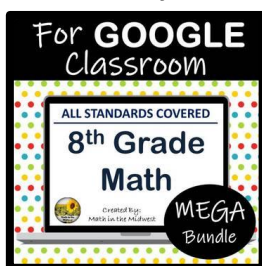
Number	Answer
1	20 potato chips per minute
2	10 miles per hour or .16 miles per hour
3	560 calories per hour
4	120 cookies per hour
5	88 newspapers per hour
6	0.14 miles per minute
7	345 calories per hour
8	12 hot dogs per minute
9	3 cups of sugar
10	760 miles per hour
11	0.31 <i>scoops</i>
12	1.29 problems per minute
13	\$0.60 per apple
14	0.56 laps per minute
15	60 nuggets per hour
16	4 pictures per hour
17	2.86 miles per hour
18	3 miles per hour
19	$\frac{1}{20}$ of his crop every day
20	20 students per class

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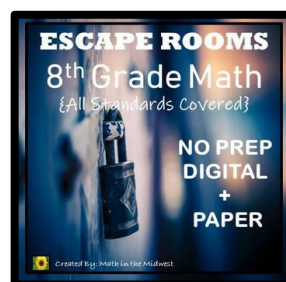
Digital Bundles:



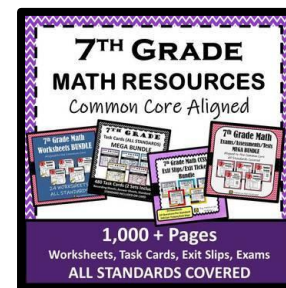
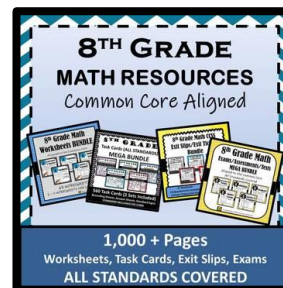
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