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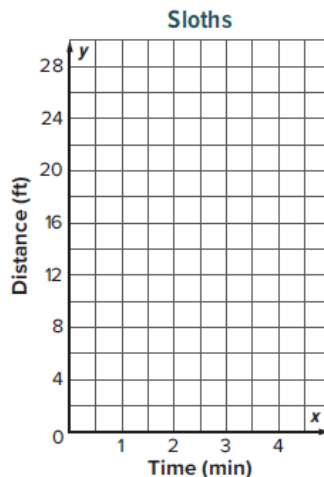
Part-1 FRQ/ الأسئلة المقالية

Tables of Equivalent Ratios

1) Natasha made raspberry punch for a party by mixing 9 fluid ounces of fruit punch, 3 liters of soda, and 6 scoops of raspberry ice cream. Halfway through the party, the punch bowl was empty. If Natasha only has 6 fluid ounces of fruit punch left, how much ice cream does she need to make another batch of punch?

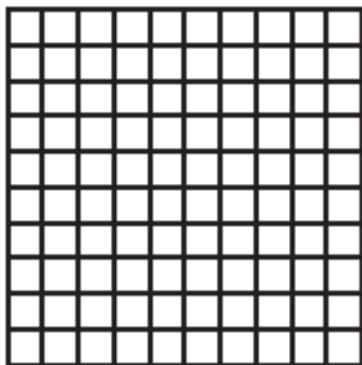
Graphs of Equivalent Ratios

2.A sloth travels about 7 feet every minute.
Generate the set of ordered pairs for the ratio relationship between the total distance traveled y and the number of minutes x for a total of 1, 2, 3, and 4 minutes. Then graph the relationship on the coordinate plane and describe the pattern in the graph.

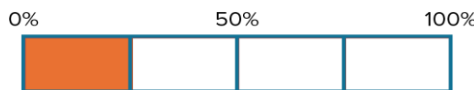
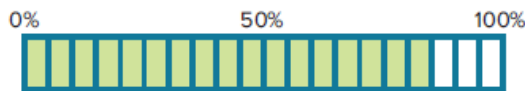
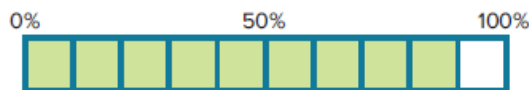


Understand Percents

3) Of the students in the lunch line, 9% said they were buying strawberry milk. Shade the 10×10 grid to model 9%.



4) Identify the percent represented by each bar diagram.



Find the Whole

5.Three different options for school lunch were offered on Friday. The table shows the percent of the total lunches sold for each option. If 270 students bought a cheese pizza or a pepperoni pizza.

Option	Percent
Cheese Pizza	50
Pepperoni Pizza	40
Fried Chicken	10

A) How many lunches were sold on Friday?

B) If each lunch costs \$3.50, how much money will the cafeteria earn from all of the lunches?

Compute With Multi-Digit Decimals

Find.

$352.37 - 231.975 =$ _____

$3.825 \div 0.25 =$ _____

Part-2 MCQ/ الأسئلة الاختيارية

1) Riley needs to make fruit punch for the family reunion. One batch of punch has the ingredients shown. If the punch bowl holds 27 cups, how many cups of orange juice will she need to keep the ratio in a full punch bowl the same?

- A. 9 cups
- B. 6 cups
- C. 5 cups
- D. 8 cups

Item	Cups
Cranberry Juice	4
Lemon Line Soda	1
Orange Juice	2
Pineapple Juice	2

2) Natasha made raspberry punch for a party by mixing 9 fluid ounces of fruit punch, 3 liters of soda, and 6 scoops of raspberry ice cream. Halfway through the party, the punch bowl was empty. If Natasha only has 6 fluid ounces of fruit punch left, how much ice cream does she need to make another batch of punch?

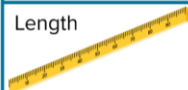
- A. 2 scoops
- B. 3 scoops
- C. 4 scoops
- D. 5 scoops

3)) The ratio of the number of baskets made by Tony to the number of baskets made by Colin is 2 to 3. Tony made 10 baskets. How many baskets did Colin make?

- A. 12 baskets
- B. 15 baskets
- C. 18 baskets
- D. 20 baskets

4) The Martinez family has $\frac{3}{4}$ gallon of orange juice in the refrigerator. How many cups of orange juice are in the refrigerator?

- A. 40 cups
- B. 48 cups
- C. 52 cups
- D. 60 cups

Type of Measure	Larger Unit	→	Smaller Unit
	1 foot (ft)	=	12 inches (in.)
	1 yard (yd)	=	3 feet
	1 mile (mi)	=	5,280 feet

5) A green sea turtle swims at an average speed of 9 meters per second. Which of the following tables correctly represents the distance the turtle can swim in 1, 2, 3, and 4 seconds?

A.

Time (s)	1	2	3	4
Distance (m)	9	18	27	36

B.

Time (s)	1	2	3	4
Distance (m)	9	10	11	12

C.

Time (s)	1	2	3	4
Distance (m)	9	16	25	36

D.

Time (s)	1	2	3	4
Distance (m)	9	9	9	9

6) Mr. Farley used 4 pounds of hamburger to make 10 hamburger patties of the same size. How many pounds of hamburger did he use per patty?

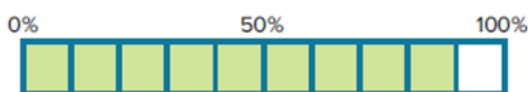
- A. 0.2 pounds
- B. 0.4 pounds
- C. 0.6 pounds
- D. 0.8 pounds

7) Tara can type 180 words in 4 minutes. At this rate, how many words can she type in 10 minutes?

- A. 350 words
- B. 400 words
- C. 420 words
- D. 450 words

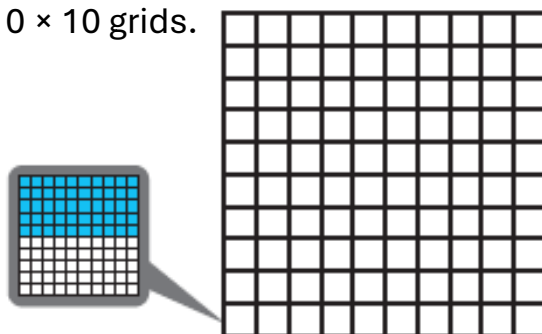
8) The percent represented by this bar diagram .

- A. 46%
- B. 90%
- C. 60%
- D. 56%



9) Identify the percent represented by the 10×10 grids.

- A. 150%
- B. 50%
- C. 0.5%
- D. 0.20%



10) Write percent as a **fraction** in simplest form: **45%**

- A. $\frac{1}{45}$
- B. $\frac{45}{10}$
- C. $\frac{9}{20}$
- D. $\frac{45}{100}$

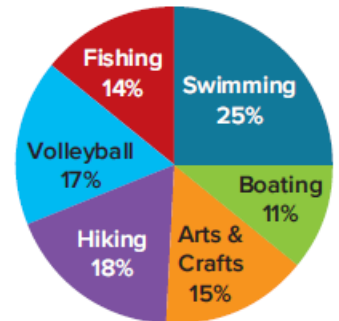
11) Write the fraction $\frac{3}{20}$ as a **decimal**.

- A. 0.15
- B. 0.3
- C. 0.25
- D. 0.2

12) The graph shows the favorite activities of campers at a summer camp. Suppose there are 300 campers at the camp. How many campers favor fishing?

- A. 42
- B. 48
- C. 15
- D. 20

Favorite Camp Activities



13) The concession stand at a football game served **288** customers. Of those customers, about **77%** bought a hot dog. **About** how many customers bought a hot dog?

- A. 200
- B. 210
- C. 220
- D. 225

14) Action movies make up 25% of Sara's DVD collection. If she has 16 action DVDs, how many DVDs does Sara have in her collection?

- A. 64 DVDs
- B. 60 DVDs
- C. 24 DVDs
- D. 30 DVDs

15) Find **$34.672 + 15.31 = ?$**

- A. 49.982
- B. 50.002
- C. 49.9820
- D. 50.012

16) Find 17.15×1.062

- A)** 18.230
- B)** 1821330
- C)** 18.21330
- D)** 19.230

17) Find $648 \div 18$

- A)** 36
- B)** 360
- C)** 63
- D)** 30

18) Find $6 \div \frac{2}{3} =$ Write in simplest form.

- A)** $\frac{3}{4}$
- B)** 9
- C)** 12
- D)** $\frac{1}{12}$

19) Divide $\frac{3}{7} \div \frac{1}{14} =$. Write in simplest form.

- A)** $\frac{3}{4}$
- B)** 6
- C)** 4
- D)** $\frac{1}{12}$

20) Divide $6\frac{2}{5} \div 8 =$. Write in simplest form.

- A)** $\frac{7}{10}$
- B)** 2
- C)** 3
- D)** $\frac{5}{6}$