

## CISD Grade 6 Math Unit 01

Some questions (c) 2012 by CSCOPE.

- 1 Candy bought snacks at the bulk bins for a meeting after school. The table shows the amounts of each type of snack that she bought.

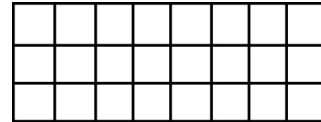
| Type of Snack     | Amount (lb.)   |
|-------------------|----------------|
| Puffed Peas       | $\frac{5}{2}$  |
| Chex Mix          | $\frac{15}{8}$ |
| Sesame Sticks     | $2\frac{5}{8}$ |
| Mixed Dried Fruit | $\frac{7}{4}$  |

Which of the following lists the snacks in order from least to greatest number of pounds? Use the following models to help order the rational numbers.

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- A** Chex Mix, Mixed Dried Fruit, Puffed Peas, Sesame Sticks
- B** Sesame Sticks, Puffed Peas, Chex Mix, Mixed Dried Fruit
- C** Mixed Dried Fruit, Chex Mix, Sesame Sticks, Puffed Peas
- D** Mixed Dried Fruit, Chex Mix, Puffed Peas, Sesame Sticks

- 2 At a health fair, only 8 out of 24 people could complete more than 2 push-ups. Which of the following shows the equivalent fraction of people who could complete more than 2 push-ups? Use the model below to help answer the question.



- F**  $\frac{3}{4}$
- G**  $\frac{2}{3}$
- H**  $\frac{1}{3}$
- J**  $\frac{1}{4}$

- 3 Anna has saved \$45 of her allowance. She needs \$100 to register for a skateboard event this summer. What fraction of the registration fee did she save? Express your solution as a decimal. Use the grid below to help answer the question.

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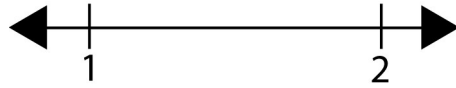
Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

- 4 This table shows record low temperatures for some states.

| State      | Record Low |
|------------|------------|
| Alabama    | - 27 °F    |
| California | - 45 ° F   |
| Hawaii     | 12 °F      |
| Nebraska   | - 47 °F    |
| Texas      | 9 °F       |
| Oklahoma   |            |

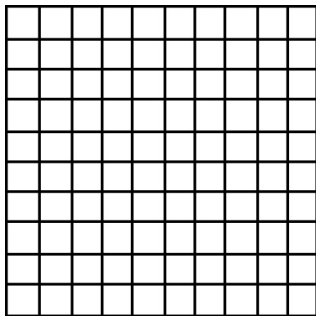
If Oklahoma's record low temperature is the opposite of Hawaii's record low temperature, what integer represent Oklahoma's record low temperature?

- 5 Mr. Wang bought four packages of ground beef. The actual weights of the four packages were  $1\frac{1}{8}$ , 1.05, 1.215, and 1.058. Put the actual weights of these packages of ground beef in order from lightest to heaviest. Use the number line below to help put them in order.

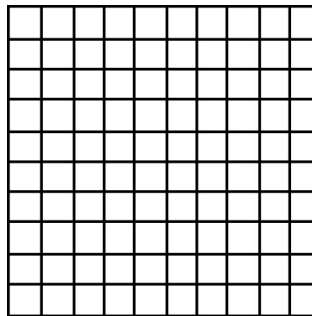


- 6 On a 20-question math test, John answered  $\frac{9}{10}$  of the questions correctly, Mary answered  $\frac{4}{5}$  of the questions correctly, and Pat answered  $\frac{17}{20}$  of the questions correctly.

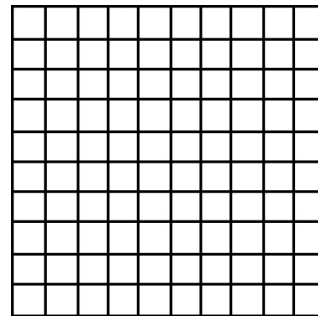
a) Shade in each 100 grid to represent each person.



John



Mary



Pat

b) Which student MISSED the most questions?

- 7 Express  $\frac{9}{10}$  as a decimal.

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

**8** Explain why  $\frac{3}{4}$  is greater than  $\frac{5}{8}$ .

**9** For each fraction listed below, generate an equivalent decimal form.

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

$$\frac{4}{5} = \underline{\hspace{2cm}}$$

$$\frac{9}{5} = \underline{\hspace{2cm}}$$

What is the order from LEAST to GREATEST?

- A** 0.4, 0.7, 0.9
- B** 0.7, 0.8, 1.4
- C** 0.7, 0.8, 1.8
- D** 1.4, 1.7, 1.8

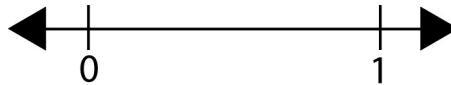
**10** Jan had \$500 in her bank account. She wrote a check for \$125 at a doctor's visit. What fraction of her bank account did she spend that day?

- F**  $\frac{1}{4}$
- G** 0.4
- H** 0.35
- J**  $\frac{1}{2}$

- 11 A bag of cough drops contains 36 drops. The fraction of each flavor is shown in the table below.

| Flavor     | Fraction       |
|------------|----------------|
| Strawberry | $\frac{4}{12}$ |
| Honey      | $\frac{1}{12}$ |
| Cherry     | $\frac{1}{6}$  |
| Mint       | $\frac{1}{9}$  |
| Lemon      | $\frac{1}{4}$  |

Which flavor has the greatest number of drops in the bag? Use the number line below to help answer the question.



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A large empty rectangular area for writing the answer, bounded by a horizontal line at the top and a vertical line on the left side.