

Grade 5+: Number Sense B

Collaborative Task:

Materials: 16 fraction cards photocopy and cut (dark coloured paper or card stock)

Task:

Teams of four.

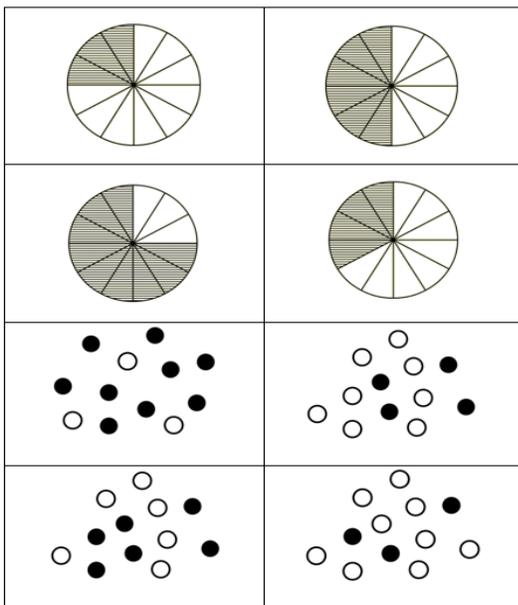
Every member of the team is to end up with a set of four cards in front of them that are related to each other in a similar way. Task is completed successfully when everyone on the team has completed their set.

In silence distribute the 16 cards randomly. Players pass cards to other team members in order to help one another complete their set.

Play:

- no chatter or non-verbal signals to other members of the team
- each member of the team starts with four cards in front of them
- the cards in front of each person are visible to everyone
- team members can only give cards; they cannot take cards from someone else.
- team members are to have at least two cards in front of them at all times

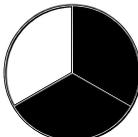
Task adapted from: <https://nrich.maths.org/12752>



$\frac{1}{4}$	$\frac{3}{4}$
Third	$\frac{6}{12}$

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Name: _____ Date: _____

Assessment Question	Reflections
<p>1. Which picture shows $\frac{3}{4}$ of the animals are fish?</p> <p>A </p> <p>B </p> <p>C </p> <p>D </p>	
<p>2. This shaded area of the circle represents the common fraction $\frac{2}{3}$</p> <p></p> <p>Use the rectangle below to represent a different fraction equivalent to $\frac{2}{3}$</p> <p></p>	

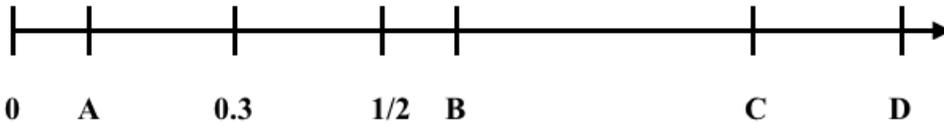
3. Put the numbers below in order from **least to greatest**.

0.371 0.080 0.842 0.36 0.8

4. Write a common fraction to represent 0.25

5. Write a common fraction to represent 0.37

6. Estimate the value represented by each of the letters:



A: _____

B: _____

C: _____

D: _____

7. Name 3 common fractions which are less than $\frac{1}{2}$.
Represent each fraction with a visual.

8. One of these situations does NOT represent a fraction. Why?

- A. Of the dozen trees, two are cedars.
- B. Kiel loses \$7.
- C. One third of the salmon have already spawned.
- D. Four of the five water jugs are empty.

9. Put these fractions in order from **least to greatest**.

$$\frac{1}{2} \quad \frac{5}{8} \quad \frac{2}{6} \quad \frac{3}{4}$$

10. Write the digits 1, 2, 3, 4, 6 and 8 in the boxes to create equivalent fractions.

$$\frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$$

11. $\frac{2}{5}$ is closer to:

- a. 0
- b. $\frac{1}{2}$
- c. 1

Circle your answer. Explain how you know that it is the correct answer.

12. Use numbers, pictures and words to show that 0.25 has the same **value** as $\frac{2}{8}$.

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Names: _____ Date: _____

Performance Task:

1. Choose one common fraction and one decimal number and explain how they are similar and different.

Use pictures, numbers and words to show the depth of your understanding.

2. A number between 4 and 5 is slightly closer to 5 than 4. What could the number be?

Explain you thinking with pictures, numbers and words.

