# $\square$ <br> Maths 

## Fractions



## Pirate Treasure



REGENT STUDIES
Focused education on lif's walk!
www.regentstudies.com

## Aim

- I can compare and order fractions using common denominators or common numerators.


## Success Criteria

- I can use bar models to compare and order fractions.
- I can use the < and > symbols to compare fractions.
- I can use a common numerator to compare and order fractions.
- I can use a common denominator to compare and order fractions.
- I can choose the best method to use to compare and order fractions.


## Bar Model Fractions

Use the fractions bar models to complete the sentences.


One third is __bigger than one quarter.

## Bar Model Fractions

Use the fractions bar models to complete the sentences.


One sixth is smaller than one fifth.

## Bar Model Fractions

Use the fractions bar models to complete the sentences.


One seventh is __bigger_ than one eighth.
One ninth is smaller than one eighth.

## Bar Model Fractions



The larger the denominator, the smaller the fraction.

## Comparing Using the Numerator



## Comparing Using the Numerator



## Pirate Ship Battle

Captain Numerator needs to defend his ship from his arch-nemesis Captain Denominator.

Help Captain Numerator load four balls into his cannon by selecting the fractions which can be compared easily by finding a common numerator.


## Pirate Ship Battle

Now that Captain Numerator has his cannon loaded for battle, help him launch them by correctly comparing the fractions.


## Pirate Ship Battle

Now that Captain Numerator has his cannon loaded for battle, help him launch them by correctly comparing the fractions.


## Pirate Ship Battle

Now that Captain Numerator has his cannon loaded for battle, help him launch them by correctly comparing the fractions.


## Pirate Ship Battle

Now that Captain Numerator has his cannon loaded for battle, help him launch them by correctly comparing the fractions.


## Ordering Using the Numerator

Three pirates are comparing how many gold coins they have in their hauls of treasure. Put the fractions that the pirates have in order from smallest to greatest, using common numerators.


## Unlock the Pirate Treasure Chest

You have unearthed this locked treasure chest full of pirate booty. Solve the clues to discover the code to open the padlock.

- You can work in small groups.
- Work together to solve the puzzles.
- Write your answers down on the recording sheet.
- Once you have discovered the code to unlock the treasure chest, check it with your teacher.



## Diving into Mastery

Dive in by completing your own activity!


## Pirate Action Game

## Which of the following statements does this fraction fit?

 Perform the action that matches the fraction.| less than $\frac{1}{4}$ | Scrub the Decks | Crouch down and pretend to clean <br> the floor with your hands. |
| :--- | :--- | :--- |
| greater than $\frac{1}{4}$ but less <br> than $\frac{1}{2}$ | Climb the <br> Rigging | Pretend to climb a rope ladder. |
| greater than $\frac{1}{2}$ but less <br> than $\frac{3}{4}$ | Captain's <br> Coming | Salute and shout 'Aye Aye <br> Captain!'. |
| greater than $\frac{3}{4}$ | Crow's Nest | Peer into the distance and shout <br> 'Land ahoy!'. |

## Pirate Action Game

## Which of the following statements does this fraction fit?

 Perform the action that matches the fraction.| less than $\frac{1}{4}$ | Scrub the Decks | Crouch down and pretend to clean <br> the floor with your hands. |
| :--- | :--- | :--- |
| greater than $\frac{1}{4}$ but less <br> than $\frac{1}{2}$ | Climb the <br> Rigging | Pretend to climb a rope ladder. |
| greater than $\frac{1}{2}$ but less <br> than $\frac{3}{4}$ | Captain's <br> Coming | Salute and shout 'Aye Aye <br> Captain!'. |
| greater than $\frac{3}{4}$ | Crow's Nest | Peer into the distance and shout <br> 'Land ahoy!'. |

## Pirate Action Game

Which of the following statements does this fraction fit? Perform the action that matches the fraction.

| less than $\frac{1}{4}$ | Scrub the Decks | Crouch down and pretend to clean <br> the floor with your hands. |
| :--- | :--- | :--- |
| greater than $\frac{1}{4}$ but less <br> than $\frac{1}{2}$ | Climb the <br> Rigging | Pretend to climb a rope ladder. |
| greater than $\frac{1}{2}$ but less <br> than $\frac{3}{4}$ | Captain's <br> Coming | Salute and shout 'Aye Aye <br> Captain!'. |
| greater than $\frac{3}{4}$ | Crow's Nest | Peer into the distance and shout <br> 'Land ahoy!'. |

## Pirate Action Game



## Pirate Action Game



## Pirate Action Game

## Which of the following statements does this fraction fit?

 Perform the action that matches the fraction.| less than $\frac{1}{4}$ | Scrub the Decks | Crouch down and pretend to clean <br> the floor with your hands. |
| :--- | :--- | :--- |
| greater than $\frac{1}{4}$ but less <br> than $\frac{1}{2}$ | Climb the <br> Rigging | Pretend to climb a rope ladder. |
| greater than $\frac{1}{2}$ but less <br> than $\frac{3}{4}$ | Captain's <br> Coming | Salute and shout 'Aye Aye <br> Captain!'. |
| greater than $\frac{3}{4}$ | Crow's Nest | Peer into the distance and shout <br> 'Land ahoy!'. |

## Aim

- I can compare and order fractions using common denominators or common numerators.


## Success Criteria

- I can use bar models to compare and order fractions.
- I can use the < and > symbols to compare fractions.
- I can use a common numerator to compare and order fractions.
- I can use a common denominator to compare and order fractions.
- I can choose the best method to use to compare and order fractions.


