

Palette Quest: A Fraction Adventure in the Enchanted Art Gallery

Math

Grade 4

Art Theme

Help the magical Art characters solve their fraction quests by completing each calculation and discovering the secrets hidden throughout the enchanted gallery!

NAME _____

DATE _____

SCORE _____ / 8

1

Paintbrush the mischievous brush has collected 8 magical paintbrushes from the studio. He discovered that $\frac{1}{4}$ of them glow in the dark. How many glowing brushes does Paintbrush have?

2

Canvas the artistic canvas is creating a giant mural that is 12 feet long. She has completed $\frac{3}{4}$ of the mural with beautiful swirling patterns. How many feet of the mural has Canvas finished?

3

Pigment the color fairy mixed up a special potion with 20 drops of magic ink. To paint a sunset, she needs $\frac{1}{5}$ of the drops. How many drops will Pigment use for her sunset painting?

4

Sketch the quick-drawing sprite created 16 incredible sketches during the Art Festival. He gave away $\frac{1}{2}$ of his sketches to other artists. How many sketches did Sketch give away?

5

Marble the sculptural stone guardian has 24 pieces of colorful marble to create statues. He used $\frac{2}{3}$ of the marble pieces to craft dancing figures. How many marble pieces did Marble use for the dancing figures?

6

Glitter the sparkly sprite discovered a treasure chest with 15 precious gems hidden in the gallery. She used $\frac{3}{5}$ of the gems to decorate a magical frame. How many gems did Glitter use for the frame?

7

Easel the friendly wooden stand is helping artists display paintings on 18 different walls throughout the gallery. So far, paintings are hung on $\frac{2}{3}$ of the walls. How many walls have paintings displayed on them?

8

Palette the painter's helper has 32 vibrant paint colors in her magical palette. She mixed together $\frac{1}{4}$ of all the colors to create the most beautiful purple blend. How many colors did Palette mix together?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Paintbrush the mischievous brush has collected 8 magical paintbrushes from the studio. He discovered that $\frac{1}{4}$ of them glow in the dark. How many glowing brushes does Paintbrush have?

ANSWER

2 glowing brushes

2

Canvas the artistic canvas is creating a giant mural that is 12 feet long. She has completed $\frac{3}{4}$ of the mural with beautiful swirling patterns. How many feet of the mural has Canvas finished?

ANSWER

9 feet

3

Pigment the color fairy mixed up a special potion with 20 drops of magic ink. To paint a sunset, she needs $\frac{1}{5}$ of the drops. How many drops will Pigment use for her sunset painting?

ANSWER

4 drops

4

Sketch the quick-drawing sprite created 16 incredible sketches during the Art Festival. He gave away $\frac{1}{2}$ of his sketches to other artists. How many sketches did Sketch give away?

ANSWER

8 sketches

5

Marble the sculptural stone guardian has 24 pieces of colorful marble to create statues. He used $\frac{2}{3}$ of the marble pieces to craft dancing figures. How many marble pieces did Marble use for the dancing figures?

ANSWER

16 marble pieces

6

Glitter the sparkly sprite discovered a treasure chest with 15 precious gems hidden in the gallery. She used $\frac{3}{5}$ of the gems to decorate a magical frame. How many gems did Glitter use for the frame?

ANSWER

9 gems

7

Easel the friendly wooden stand is helping artists display paintings on 18 different walls throughout the gallery. So far, paintings are hung on $\frac{2}{3}$ of the walls. How many walls have paintings displayed on them?

ANSWER

12 walls

8

Palette the painter's helper has 32 vibrant paint colors in her magical palette. She mixed together $\frac{1}{4}$ of all the colors to create the most beautiful purple blend. How many colors did Palette mix together?

ANSWER

8 colors