

# The Musical Notes Quest: A Fraction Adventure with Melody and Harmony

Math

Grade 4

Music Theme

Help Melody and Harmony solve musical mysteries by using your fraction skills to guide them through their concert adventure!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_ / 8

1

Melody the songbird is preparing a concert and has a beautiful cake to share with her band. She cuts the cake into 8 equal slices. If she eats 3 slices and gives 2 slices to her friend Harmony, what fraction of the cake is left?

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2

Harmony is organizing sheet music for the Grand Theater performance. She has 12 songs to arrange, and  $\frac{1}{3}$  of them are piano solos. How many piano solo songs does she need to arrange?

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3

During rehearsal, Melody practices for  $\frac{2}{4}$  of an hour on Monday and  $\frac{3}{4}$  of an hour on Tuesday. How much total time did she practice across both days?

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4

The orchestra has 16 instruments on stage. If  $\frac{1}{4}$  of them are violins and  $\frac{1}{4}$  of them are cellos, how many instruments are either violins or cellos combined?

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5

Melody baked 20 musical note-shaped cookies for the band's celebration. She gave  $\frac{1}{5}$  of them to Harmony,  $\frac{1}{5}$  of them to Rhythm the drummer, and kept the rest. How many cookies did Melody keep?

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6

Harmony's music composition is 24 measures long. She has finished  $\frac{5}{6}$  of the composition. How many measures still need to be written?

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7

At the concert, Melody sang for  $\frac{3}{6}$  of an hour and then Harmony sang for  $\frac{2}{6}$  of an hour. Compare their singing times: who sang longer and by how much?

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8

The band's treasure chest contains 30 golden musical notes. Melody discovered that  $\frac{2}{5}$  of them are hidden in the East Wing and  $\frac{1}{5}$  of them are hidden in the West Wing. How many golden notes are NOT hidden in either wing?

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# Answer Key

Math

Grade 4

For Parents and Teachers

1

Melody the songbird is preparing a concert and has a beautiful cake to share with her band. She cuts the cake into 8 equal slices. If she eats 3 slices and gives 2 slices to her friend Harmony, what fraction of the cake is left?

ANSWER

**$\frac{3}{8}$**

2

Harmony is organizing sheet music for the Grand Theater performance. She has 12 songs to arrange, and  $\frac{1}{3}$  of them are piano solos. How many piano solo songs does she need to arrange?

ANSWER

**4 songs**

3

During rehearsal, Melody practices for  $\frac{2}{4}$  of an hour on Monday and  $\frac{3}{4}$  of an hour on Tuesday. How much total time did she practice across both days?

ANSWER

**$\frac{5}{4}$  of an hour or 1  $\frac{1}{4}$  hours**

4

The orchestra has 16 instruments on stage. If  $\frac{1}{4}$  of them are violins and  $\frac{1}{4}$  of them are cellos, how many instruments are either violins or cellos combined?

ANSWER

**8 instruments**

5

Melody baked 20 musical note-shaped cookies for the band's celebration. She gave  $\frac{1}{5}$  of them to Harmony,  $\frac{1}{5}$  of them to Rhythm the drummer, and kept the rest. How many cookies did Melody keep?

ANSWER

**12 cookies**

6

Harmony's music composition is 24 measures long. She has finished  $\frac{5}{6}$  of the composition. How many measures still need to be written?

ANSWER

**4 measures**

7

At the concert, Melody sang for  $\frac{3}{6}$  of an hour and then Harmony sang for  $\frac{2}{6}$  of an hour. Compare their singing times: who sang longer and by how much?

ANSWER

**Melody sang longer by  $\frac{1}{6}$  of an hour**

8

The band's treasure chest contains 30 golden musical notes. Melody discovered that  $\frac{2}{5}$  of them are hidden in the East Wing and  $\frac{1}{5}$  of them are hidden in the West Wing. How many golden notes are NOT hidden in either wing?

ANSWER

**12 golden notes**