Christmas Fractions

Grade 5



Name _____ Date _____

Remember: to add or subtract fractions with different denominators, find a common denominator first. Write every answer in simplest form, and change improper fractions to mixed numbers.

1. Holiday baking

Add or subtract. Show your work.

1 Maya uses $\frac{3}{4}$ cup of flour for sugar cookies and $\frac{2}{3}$ cup for gingerbread. How much flour does she use in all?



Show your work

Answer (cups) _____

2 A jug holds $2\frac{1}{2}$ litres of hot cocoa. The family drinks $1\frac{3}{4}$ litres. How much cocoa is left?



Show your work

Answer (litres) _____

3 Leo crushes $\frac{1}{3}$ cup of candy canes for brownies and $\frac{5}{6}$ cup for bark. How much is that altogether?



Show your work

Answer (cups) _____

4 A gingerbread house needs $3\frac{1}{4}$ cups of icing. Ava has made $1\frac{5}{8}$ cups. How much more does she need?



Show your work

Answer (cups) _____

5 Sam bakes for $1\frac{2}{3}$ hours on Saturday and $2\frac{1}{4}$ hours on Sunday. How long does he bake in all?



Show your work

Answer (hours) _____

6 A box held $\frac{7}{8}$ kg of chocolates. After the party, $\frac{1}{6}$ kg is left. How much was eaten?



Show your work

Answer (kg) _____

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2. Fraction of a set

Find the fraction of each group. Hint: divide by the denominator, then multiply by the numerator.

7 A tree has 24 ornaments. $\frac{3}{8}$ of them are red. How many ornaments are red?



Show your work

Answer (ornaments)

8 A string has 40 lights. $\frac{3}{5}$ of them are blinking. How many lights are blinking?



Show your work

Answer (lights)

9 The elves wrapped 36 gifts. $\frac{5}{9}$ have gold bows. How many gifts have gold bows?



Show your work

Answer (gifts)

3. Multiply fractions

Multiply. Write your answer in simplest form.

10 One batch of shortbread needs $\frac{2}{3}$ cup of butter. How much butter is needed for 4 batches?



Show your work

Answer (cups)

11 A sled trail is $\frac{3}{4}$ km long. Nora sleds $\frac{2}{3}$ of the trail. How far does she go?



Show your work

Answer (km)

12 Each bow uses $\frac{5}{8}$ m of ribbon. How much ribbon is needed for 6 bows?



Show your work

Answer (m)

Gift Tag Fractions

Grade 5



4. Quick practice

Solve each gift tag. Use the back of the page for working. Answers in simplest form.

1. $\frac{1}{2} + \frac{1}{3} =$ _____

2. $\frac{3}{4} - \frac{1}{6} =$ _____

3. $\frac{2}{5} + \frac{1}{2} =$ _____

4. $\frac{5}{6} - \frac{3}{8} =$ _____

5. $1\frac{1}{2} + 2\frac{2}{3} =$ _____

6. $4\frac{1}{4} - 1\frac{2}{3} =$ _____

7. $\frac{2}{3} \times 9 =$ _____

8. $\frac{3}{4} \times 8 =$ _____

9. $\frac{1}{2} \times \frac{4}{5} =$ _____

10. $\frac{2}{3} \times \frac{3}{7} =$ _____

11. $3\frac{1}{2} - 1\frac{3}{4} =$ _____

12. $\frac{5}{12} + \frac{1}{4} =$ _____

Answer Key

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1. Holiday baking

1	$1\frac{5}{12}$ cups	$\frac{3}{4} + \frac{2}{3} = 1\frac{5}{12}$
2	$\frac{3}{4}$ litres	$2\frac{1}{2} - 1\frac{3}{4} = \frac{3}{4}$
3	$1\frac{1}{6}$ cups	$\frac{1}{3} + \frac{5}{6} = 1\frac{1}{6}$
4	$1\frac{5}{8}$ cups	$3\frac{1}{4} - 1\frac{5}{8} = 1\frac{5}{8}$
5	$3\frac{11}{12}$ hours	$1\frac{2}{3} + 2\frac{1}{4} = 3\frac{11}{12}$
6	$\frac{17}{24}$ kg	$\frac{7}{8} - \frac{1}{6} = \frac{17}{24}$

2 and 3. Fraction of a set and multiplying

7	9 ornaments	$\frac{3}{8} \times 24 = 9$
8	24 lights	$\frac{3}{5} \times 40 = 24$
9	20 gifts	$\frac{5}{9} \times 36 = 20$
10	$2\frac{2}{3}$ cups	$\frac{2}{3} \times 4 = 2\frac{2}{3}$
11	$\frac{1}{2}$ km	$\frac{3}{4} \times \frac{2}{3} = \frac{1}{2}$
12	$3\frac{3}{4}$ m	$\frac{5}{8} \times 6 = 3\frac{3}{4}$

4. Gift tags

1. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$	2. $\frac{3}{4} - \frac{1}{6} = \frac{7}{12}$	3. $\frac{2}{5} + \frac{1}{2} = \frac{9}{10}$
4. $\frac{5}{6} - \frac{3}{8} = \frac{11}{24}$	5. $1\frac{1}{2} + 2\frac{2}{3} = 4\frac{1}{6}$	6. $4\frac{1}{4} - 1\frac{2}{3} = 2\frac{7}{12}$
7. $\frac{2}{3} \times 9 = 6$	8. $\frac{3}{4} \times 8 = 6$	9. $\frac{1}{2} \times \frac{4}{5} = \frac{2}{5}$
10. $\frac{2}{3} \times \frac{3}{7} = \frac{2}{7}$	11. $3\frac{1}{2} - 1\frac{3}{4} = 1\frac{3}{4}$	12. $\frac{5}{12} + \frac{1}{4} = \frac{2}{3}$