Mixing with Mixed Numbers



Tanisha and Derek run a bakery together. This involves a lot of experimenting with recipes and ingredients.

Task 1 – Tanisha realises her latest batch of cookies isn't sweet enough. Add together these amounts of sugar she wants to try adding.

$$1\frac{3}{4} tsp + 2 tsp = \dots$$

$$\frac{6}{8} tsp + 1 \frac{1}{8} tsp = \dots$$

$$2\frac{2}{5}tsp + \frac{2}{5}tsp = \dots$$

Task 2 — Tanisha and Derek are calculating the quantity of ingredients needed for their latest bread recipes. Fill in the missing answers to the sums below.

Cinnamon for cinnamon loaf:
$$3 tbsp + \dots tbsp = 4 \frac{3}{8} tbsp$$



Rosemary for rosemary rolls: $\frac{8}{12}$ tbsp + tbsp = $3\frac{11}{12}$ tbsp

Ginger for gingerbread:
$$4\frac{3}{5}tbsp + \dots tbsp = 7\frac{3}{5}tbsp$$



Task 3 – They both calculate the amount of flour needed for this recipe and get different answers.

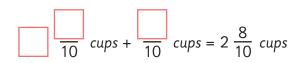
Tanisha:
$$2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{4}{8} cups$$
 Derek: $2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{1}{2} cups$

Derek:
$$2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{1}{2} cups$$

Explain why they are **both** correct.

Task 4 – Tanisha accidentally smudges cookie dough on her latest recipe, so Derek can't follow it. What could the missing numbers be?

Can you find more than one answer?



Mixing with Mixed Numbers

Answers



$$1\frac{3}{4}tsp + 2tsp = \frac{3\frac{3}{4}}{4}$$

Tanisha and Derek run a bakery together. This involves a lot of experimenting with recipes and ingredients.

Task 1 – Tanisha realises her latest batch of cookies isn't sweet enough. Add together these amounts of sugar she wants to try adding.

$$\frac{6}{8} tsp + 1 \frac{1}{8} tsp = \frac{1 \frac{7}{8}}{8}$$

$$2 \frac{2}{5} tsp + \frac{2}{5} tsp = \frac{2 \frac{4}{5}}{5}$$

$$2\frac{2}{5} tsp + \frac{2}{5} tsp = \frac{2\frac{4}{5}}{5}$$

Task 2 – Tanisha and Derek are calculating the quantity of ingredients needed for their latest bread recipes. Fill in the missing answers to the sums below.

Cinnamon for cinnamon loaf:
$$3 \text{ tbsp} + \frac{13}{8} \text{ tbsp} = 4\frac{3}{8} \text{ tbsp}$$

Rosemary for rosemary rolls: $\frac{8}{12} tbsp + \frac{3}{12} \frac{5}{12} tbsp = 3 \frac{11}{12} tbsp$

Ginger for gingerbread:
$$4\frac{3}{5}tbsp + \dots 3 tbsp = 7\frac{3}{5}tbsp$$





Task 3 – They both calculate the amount of flour needed for this recipe and get different answers.

Tanisha:
$$2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{4}{8} cups$$
 Derek: $2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{1}{2} cups$

Derek:
$$2\frac{7}{8} cups + 2\frac{5}{8} cups = 5\frac{1}{2} cups$$

Explain why they are both correct.

They are both correct because $\frac{7}{8}$ is equivalent to $\frac{1}{2}$

Task 4 – Tanisha accidentally smudges cookie dough on her latest recipe, so Derek can't follow it. What could the missing numbers be?

Can you find more than one answer?

E.q.

$$\frac{7}{10}$$
 cups + $\frac{1}{10}$ cups = $2\frac{8}{10}$ cups