

Math

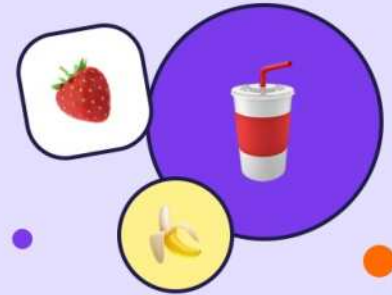
Grade 6

Smoothie ratios

Mix fruit in the right ratio to make the perfect smoothie.



I can write, simplify and use ratios.



1



Complete the table

Fill in the empty boxes.

Strawberries	Bananas	Ratio
2	3	2 : 3
4		4 : 6
	15	10 : 15
8		8 : 12

2



Fill the gaps

Write the missing answer.

1. $6 : 9 = 2 : \underline{\hspace{2cm}}$
2. $10 : 25 = \underline{\hspace{2cm}} : 5$
3. $4 : 7 = 12 : \underline{\hspace{2cm}}$
4. $18 : 6 = \underline{\hspace{2cm}} : 1$

3 Pick the answer

Circle the right answer.

1. Simplify 12 : 8

A 3 : 2

B 6 : 8

C 2 : 3

2. A recipe uses 2 cups of milk for every 3 bananas. How much milk for 9 bananas?

A 5 cups

B 6 cups

C 4 cups

3. There are 5 boys and 15 girls. What is the ratio of boys to girls?

A 3 : 1

B 5 : 20

C 1 : 3

4 Simplify

Simplify each ratio as much as you can.

1. 8 : 12 = _____ : _____

2. 15 : 20 = _____ : _____

3. 9 : 27 = _____ : _____

4. 16 : 10 = _____ : _____

5. 35 : 14 = _____ : _____

6. 6 : 6 = _____ : _____

5 Scale the recipe

Fill in the empty boxes.

Smoothies	Strawberries	Bananas	Yoghurt (dl)
1	3	2	1
2			
5			

6 **Ratio problems**

Circle the right answer.

1. Share 20 strawberries in the ratio 3 : 2. How many are in the bigger share?

A 8

B 12

C 15

2. A smoothie has mango and apple in the ratio 1 : 4. There are 3 mangoes. How many apples?

A 12

B 7

C 4

3. The ratio of boys to girls in a class is 2 : 3. There are 25 pupils. How many girls?

A 10

B 12

C 15

4. Which ratio is the same as 4 : 10?

A 1 : 2

B 2 : 5

C 8 : 15

7 **True or false**

Circle true or false.

1. 3 : 4 is the same as 4 : 3.

True

False

2. $6 : 8 = 3 : 4$

True

False

3. In the ratio 2 : 5 there are 7 parts in total.

True

False

4. 10 : 5 simplifies to 1 : 2.

True

False

5. A ratio compares two amounts.

True

False

8

**Think and write**

Juice A mixes 1 part syrup with 4 parts water. Juice B mixes 2 parts syrup with 6 parts water. Which is stronger? Explain.

How did it go?

Made with **GradeAid**

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Grade 6

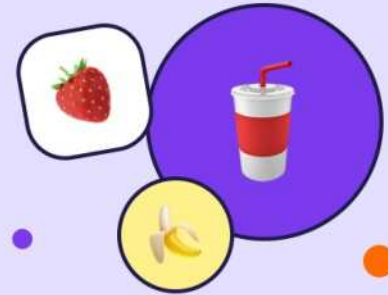
Answer key

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Circle the right answer.

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A $3 : 2$

B $6 : 8$

C $2 : 3$

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Simplify each ratio as much as you can.

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3. $9 : 27 = \underline{1} : \underline{3}$

4. $16 : 10 = \underline{8} : \underline{5}$

5. $35 : 14 = \underline{5} : \underline{2}$

6. $6 : 6 = \underline{1} : \underline{1}$

5 Scale the recipe

Fill in the empty boxes.

Smoothies	Strawberries	Bananas	Yoghurt (dl)
1	3	2	1
2	6	4	2
5	15	10	5

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Circle the right answer.

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