



Find $\frac{2}{8}$
of 64.



Find $\frac{6}{7}$
of 70.



Find $\frac{3}{6}$
of 36.



Find $\frac{2}{3}$
of 90.



Find $\frac{4}{10}$
of 200.



Find $\frac{1}{2}$
of 70.



Find $\frac{3}{4}$
of 60.



Find $\frac{2}{9}$
of 81.



Find $\frac{2}{8}$
of 88.



Find $\frac{6}{7}$
of 91.



Find $\frac{3}{6}$
of 360.



Find $\frac{2}{3}$
of 42.



Find $\frac{4}{10}$
of 1000.



Find $\frac{1}{12}$
of 168.



Find $\frac{3}{4}$
of 500.



Find $\frac{2}{9}$
of 126.



Find $\frac{3}{9}$
of 99.



Find $\frac{2}{6}$
of 90.



Find $\frac{2}{8}$
of 888.



Find $\frac{6}{7}$
of 175.



Find $\frac{3}{6}$
of 3600.



Find $\frac{2}{3}$
of 195.



Find $\frac{4}{10}$
of
10 000.



Find $\frac{2}{12}$
of 168.



Find $\frac{3}{4}$
of 104.



Find $\frac{5}{9}$
of 126.



Find $\frac{4}{9}$
of 99.



Find $\frac{2}{6}$
of 504.

Fantastic Fractions! Answers

Question	Answer		
★	Find the fractions of these numbers:		
	Find $\frac{2}{8}$ of 64 = 16	Find $\frac{6}{7}$ of 70 = 60	Find $\frac{3}{6}$ of 36 = 18
	Find $\frac{2}{3}$ of 90 = 60	Find $\frac{4}{10}$ of 200 = 80	Find $\frac{1}{2}$ of 70 = 35
	Find $\frac{3}{4}$ of 60 = 45	Find $\frac{2}{9}$ of 81 = 18	
★★	Find the fractions of these numbers:		
	Find $\frac{2}{8}$ of 88 = 22	Find $\frac{6}{7}$ of 91 = 78	Find $\frac{3}{6}$ of 360 = 180
	Find $\frac{2}{3}$ of 42 = 28	Find $\frac{4}{10}$ of 1000 = 400	Find $\frac{1}{12}$ of 168 = 14
	Find $\frac{3}{4}$ of 500 = 375	Find $\frac{2}{9}$ of 126 = 28	Find $\frac{3}{9}$ of 99 = 33
	Find $\frac{2}{6}$ of 90 = 30		
★★★	Find the fractions of these numbers:		
	Find $\frac{2}{8}$ of 888 = 222	Find $\frac{6}{7}$ of 175 = 150	Find $\frac{3}{6}$ of 3600 = 1800
	Find $\frac{2}{3}$ of 195 = 130	Find $\frac{4}{10}$ of 10 000 = 4000	Find $\frac{2}{12}$ of 168 = 28
	Find $\frac{3}{4}$ of 104 = 78	Find $\frac{5}{9}$ of 126 = 70	Find $\frac{4}{9}$ of 99 = 44
	Find $\frac{2}{6}$ of 504 = 168		



Juice

I can solve scaling problems.



How do you like your juice? Weak or strong?

We are going to make the perfect juice by investigating different combinations of concentrate and water.

First, we will try $\frac{1}{4}$ concentrate and $\frac{3}{4}$ water.

1) Pour 100ml of concentrate into your cup. How much water do you need to add?

_____ ml

How much water would you need if you used 550ml of concentrate?

_____ ml

Is $\frac{1}{4}$ concentrate and $\frac{3}{4}$ water too strong or too weak?

2) Make and try these combinations.

Combination	Amount of Concentrate	Amount of Water	Rating
$\frac{1}{5}$ concentrate and $\frac{4}{5}$ water	125ml		☆☆☆☆☆
$\frac{1}{6}$ concentrate and $\frac{5}{6}$ water	72ml		☆☆☆☆☆
$\frac{1}{7}$ concentrate and $\frac{6}{7}$ water	84ml		☆☆☆☆☆

3) Choose your favourite combination of concentrate and water.

If the recipe was for two people, how much concentrate and water would you need for:

a) 1 person _____ ml

b) 4 people _____ ml

c) 10 people _____ ml





Juice Answers

Question	Answer																
1.	Pour 100ml of concentrate into your cup. How much water do you need to add?																
	300ml How much water would you need if you used 550ml of concentrate? 1650ml																
2.	Make and try these combinations.																
	<table border="1"><thead><tr><th>Combination</th><th>Amount of Concentrate</th><th>Amount of Water</th><th>Rating</th></tr></thead><tbody><tr><td>$\frac{1}{5}$ concentrate and $\frac{4}{5}$ water</td><td>125ml</td><td>500ml</td><td>☆☆☆☆☆</td></tr><tr><td>$\frac{1}{6}$ concentrate and $\frac{5}{6}$ water</td><td>72ml</td><td>360ml</td><td>☆☆☆☆☆</td></tr><tr><td>$\frac{1}{7}$ concentrate and $\frac{6}{7}$ water</td><td>84ml</td><td>504ml</td><td>☆☆☆☆☆</td></tr></tbody></table>	Combination	Amount of Concentrate	Amount of Water	Rating	$\frac{1}{5}$ concentrate and $\frac{4}{5}$ water	125ml	500ml	☆☆☆☆☆	$\frac{1}{6}$ concentrate and $\frac{5}{6}$ water	72ml	360ml	☆☆☆☆☆	$\frac{1}{7}$ concentrate and $\frac{6}{7}$ water	84ml	504ml	☆☆☆☆☆
Combination	Amount of Concentrate	Amount of Water	Rating														
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$\frac{1}{6}$ concentrate and $\frac{5}{6}$ water	72ml	360ml	☆☆☆☆☆														
$\frac{1}{7}$ concentrate and $\frac{6}{7}$ water	84ml	504ml	☆☆☆☆☆														
3.	Choose your favourite combination of concentrate and water.																
	Multiple answers possible.																



Juice

I can solve scaling problems.



How do you like your juice? Weak or strong?

We are going to make the perfect juice by investigating different combinations of concentrate and water.

First, we will try $\frac{1}{5}$ concentrate and $\frac{4}{5}$ water.

1) Pour 110ml of concentrate into your cup. How much water do you need to add?

_____ ml

How much water would you need if you used 552ml of concentrate?

_____ ml

Is $\frac{1}{5}$ concentrate and $\frac{4}{5}$ water too strong or too weak?

2) Make and try these combinations.

Combination	Amount of Concentrate	Amount of Water	Rating
$\frac{2}{6}$ concentrate and $\frac{4}{6}$ water	120ml		☆☆☆☆☆
$\frac{2}{8}$ concentrate and $\frac{6}{8}$ water	320ml		☆☆☆☆☆
$\frac{3}{7}$ concentrate and $\frac{4}{7}$ water		560ml	☆☆☆☆☆

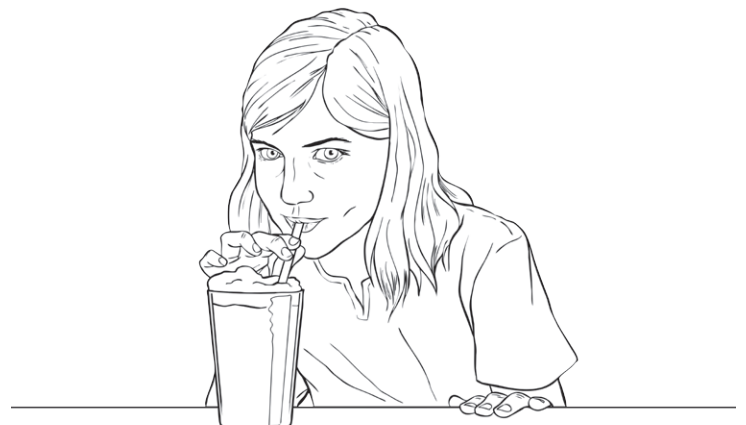
3) Choose your favourite combination of concentrate and water.

If the recipe was for four people, how much concentrate and water would you need for:

a) 8 people _____ ml

b) 1 person _____ ml

c) 25 people _____ ml





Juice Answers

Question	Answer																
1.	Pour 110ml of concentrate into your cup. How much water do you need to add?																
	440ml How much water would you need if you used 552ml of concentrate? 2208ml																
2.	Make and try these combinations.																
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$\frac{3}{7}$ concentrate and $\frac{4}{7}$ water	420ml	560ml	☆☆☆☆☆														
3.	Choose your favourite combination of concentrate and water.																
	Multiple answers possible.																



Juice

I can solve scaling problems.



How do you like your juice? Weak or strong?

We are going to make the perfect juice by investigating different combinations of concentrate and water.

First, we will try $\frac{2}{6}$ concentrate and $\frac{4}{6}$ water.

- 1) Pour 112ml of concentrate into your cup. How much water do you need to add?

_____ ml

How much water would you need if you used 1252ml of concentrate?

_____ ml

Is $\frac{2}{6}$ concentrate and $\frac{4}{6}$ water too strong or too weak?

- 2) Make and try these combinations.

Combination	Amount of Concentrate	Amount of Water	Rating
$\frac{2}{5}$ concentrate and $\frac{4}{5}$ water	225ml		☆☆☆☆☆
$\frac{2}{8}$ concentrate and $\frac{6}{8}$ water	318ml		☆☆☆☆☆
$\frac{3}{7}$ concentrate and $\frac{4}{7}$ water		560ml	☆☆☆☆☆

- 3) Choose your favourite combination of concentrate and water.

If the recipe was for 8 people, how much concentrate and water would you need for:

a) 16 people _____ ml

b) 1 person _____ ml

c) 100 people _____ ml

Round your answers to the nearest millilitre.





Juice Answers

Question	Answer																
1.	Pour 110ml of concentrate into your cup. How much water do you need to add?																
	224ml How much water would you need if you used 552ml of concentrate? 2504ml																
2.	Make and try these combinations.																
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$\frac{3}{7}$ concentrate and $\frac{4}{7}$ water	420ml	560ml	☆☆☆☆☆														
3.	Choose your favourite combination of concentrate and water.																
	Multiple answers possible.																