

Adding and subtracting fractions

Comparing percentages

- **1** For each pair of calculations, state which gives the larger value.
- **1a** 20% of 60 30% of 60

1b 15% of 90 15% of 80



Adding and subtracting fractions

1c 10% of 36 30% of 11

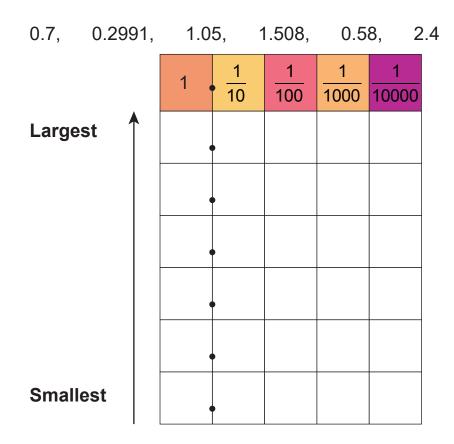
1d 26% of 20 18% of 36



Adding and subtracting fractions

Comparing decimals

2 Write these numbers in order, largest first:



3 You are given the digits

3, 4, 0, 7 and a decimal point.

Using each number only once and the decimal point what is

3a the largest number you can make?

Largest:



Adding and subtracting fractions

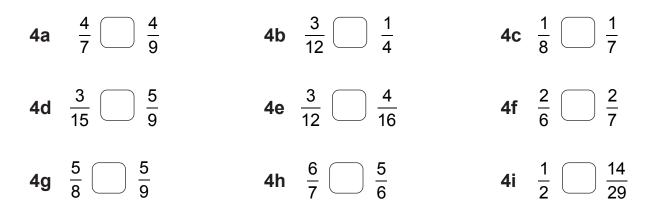
3b the smallest number you can make?

Smallest:			
	1		

Comparing fractions

4 Write out each of these pairs of fractions, inserting either

<, > or = between each fraction to make each statement correct.

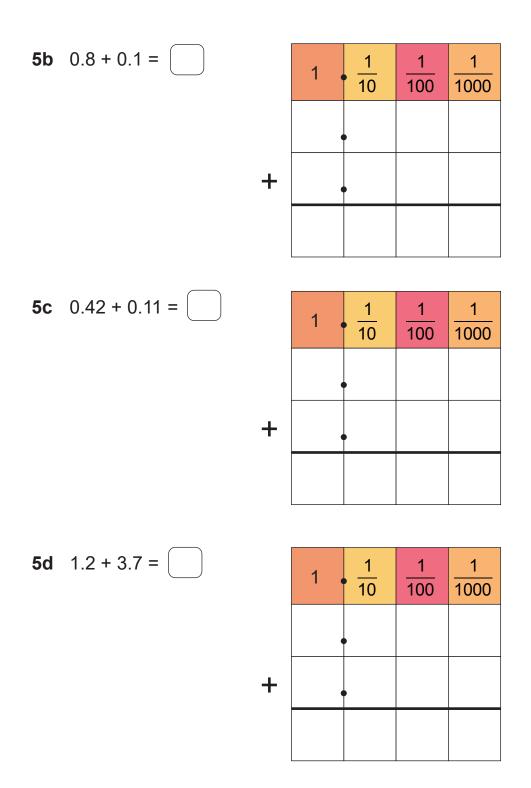


Addition and subtraction of decimals

5 Perform these calculations. You may wish to use the grid.

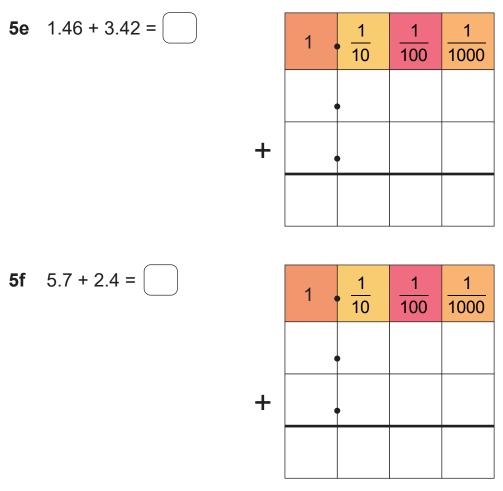
5a	0.3 + 0.6 =	1	• <u>1</u> 10	1 100	1 1000
			•		
	+		•		







Adding and subtracting fractions

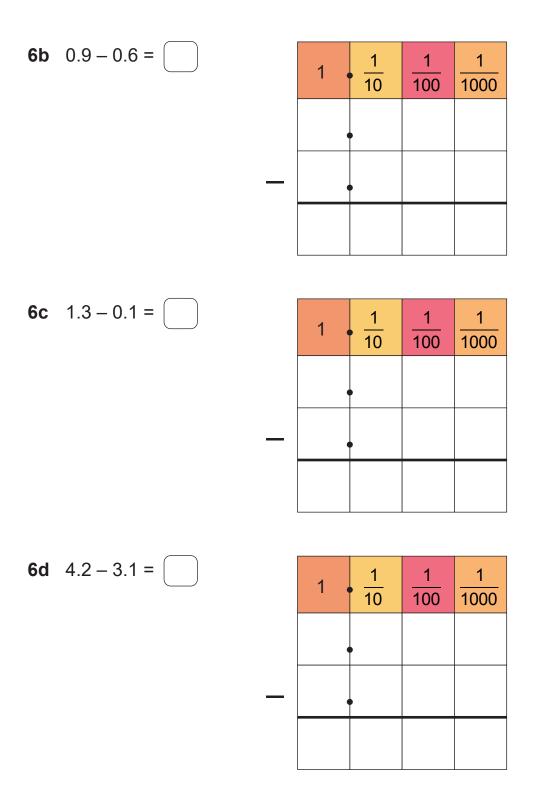


6 Perform these calculations.

 $\begin{array}{c|c} \mathbf{6a} & 0.7 - 0.2 = \\ \hline 1 & \frac{1}{10} & \frac{1}{100} & \frac{1}{1000} \\ \hline \bullet & & & \\ \hline \bullet &$

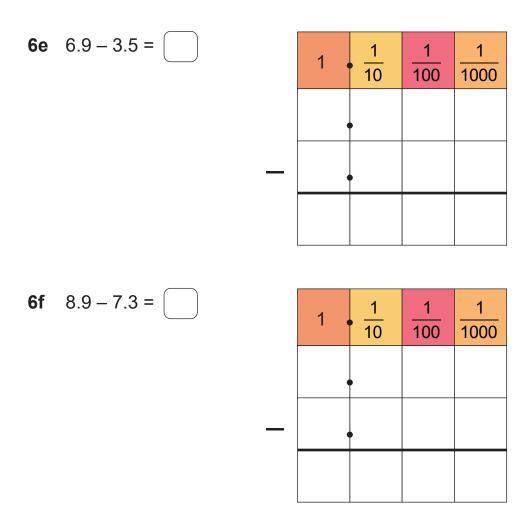
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Adding and subtracting fractions



Addition and subtraction with fractions

- 7 Calculate:
- **7a** $\frac{1}{7} + \frac{4}{7} =$ **7c** $\frac{3}{10} + \frac{1}{10} =$

7b $\frac{3}{8} + \frac{5}{8} =$

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Adding and subtracting fractions

8 Calculate

8a $\frac{1}{2} + \frac{1}{3} =$

- **8b** $\frac{1}{5} + \frac{1}{4} =$
- 8c $\frac{1}{7} + \frac{1}{3} =$
- 8d $\frac{2}{5} + \frac{3}{4} =$

8e
$$\frac{1}{7} + \frac{3}{8} =$$



8f
$$\frac{1}{6} + \frac{2}{3} =$$

8g $\frac{3}{4} + \frac{2}{3} =$

8h
$$\frac{3}{5} + \frac{2}{3} =$$

8i
$$\frac{4}{7} + \frac{2}{5} =$$



8j
$$\frac{4}{7} - \frac{1}{2} =$$

8k
$$\frac{6}{11} - \frac{1}{4} =$$

8I
$$\frac{2}{3} - \frac{1}{6} =$$

8m
$$\frac{3}{4} - \frac{2}{3} =$$



8n
$$\frac{5}{8} - \frac{5}{12} =$$

80
$$\frac{11}{12} - \frac{3}{8} =$$



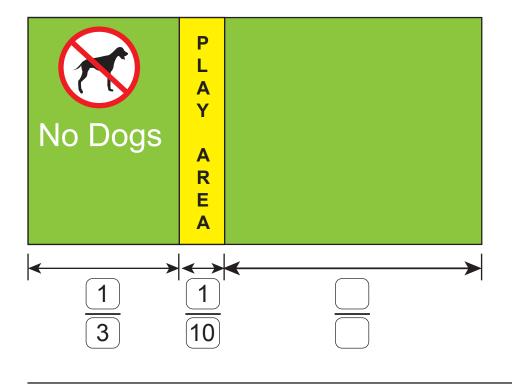
Adding and subtracting fractions

Worded questions

9 A council decides to turn $\frac{1}{3}$ of a park into a dog-free zone.

It later bans dogs from the play area which occupies $\frac{1}{10}$ of the park and which was originally outside the dog-free zone.

What fraction of the park is now open to dogs?



answer



Adding and subtracting fractions

- **10** In a school $\frac{1}{3}$ of the children eat school dinners,
 - $\frac{1}{2}$ bring packed lunches and the rest go home.

What fraction of the children go home for lunch?

answer



Adding and subtracting fractions

11 A garden has an area of $\frac{2}{5}$ hectare.

The owner buys an extra $\frac{1}{3}$ hectare of land to increase the size of the garden.

What is the new size of the garden?

answer