

1 Work out  $\frac{2}{5} + \frac{3}{7}$

Calculation	Common denominator	Equivalent calculation	Answer
$\frac{2}{5} + \frac{3}{7}$	<b>35</b>	$\frac{14}{35} + \frac{15}{35}$	<b><math>\frac{29}{35}</math></b>

a Work out  $\frac{1}{2} - \frac{3}{7}$

$\frac{1}{14}$

2 Lee is 1.45 metres tall.

Omar is 0.2 metres shorter than Lee.

How tall is Omar?

**Tip:** Write 0.2 with 2 decimal places.

$1.25$  m

3 Fatima painted a rectangle using green, red and blue paint.

She painted  $\frac{5}{8}$  of the rectangle green and  $\frac{1}{5}$  of it red.

What fraction did she paint blue?

**Tip:** Find a common denominator, then change  $\frac{5}{8}$  and  $\frac{1}{5}$  into equivalent fractions.

$\frac{7}{40}$

4 Work out the answers to the questions and find the numbers on the grid.

8.369	4.302	2.056
7.869	5.418	12.214
13.974	4.995	12.257

**Tip:** Add trailing zeros to get the same number of decimal places.  
Remember 0.800 and 0.8 have the same value.

a  $4.618 + 0.8$

5.418

b  $0.456 + 1.6$

2.056

c  $3.78 + 4.589$

8.369

d  $6.12 + 7.854$

13.974

e  $4.31 + 0.685$

4.995

f  $7.57 + 4.687$

12.257

g.  $4.25 + 7.964$

12.214

h  $3.452 + 0.85$

4.302

Which number is not one of the answers? 7.869

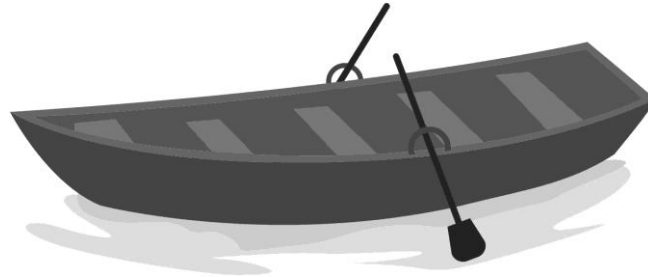
5. Complete the table .

Calculation	Common denominator	Equivalent calculation	Answer
$\frac{3}{16} + \frac{1}{2}$	16	$\frac{3}{16} + \frac{8}{16}$	$\frac{11}{16}$
$\frac{3}{4} - \frac{1}{3}$	12	$\frac{9}{12} - \frac{4}{12}$	$\frac{5}{12}$
$\frac{4}{3} + \frac{1}{6}$	6	$\frac{8}{6} + \frac{1}{6}$	$\frac{9}{6} = \frac{3}{2} (1\frac{1}{2})$
$\frac{2}{3} - \frac{4}{15}$	15	$\frac{10}{15} - \frac{4}{15}$	$\frac{6}{15} = \frac{2}{5}$
$\frac{3}{5} + \frac{2}{7}$	35	$\frac{21}{35} + \frac{10}{35}$	$\frac{31}{35}$
$\frac{3}{2} - \frac{3}{5}$	10	$\frac{15}{10} - \frac{6}{10}$	$\frac{9}{10}$
$\frac{5}{8} + \frac{5}{12}$	24	$\frac{15}{24} + \frac{10}{24}$	$\frac{25}{24} (1\frac{1}{24})$
$\frac{2}{3} - \frac{2}{15}$	15	$\frac{10}{15} - \frac{2}{15}$	$\frac{8}{15}$
$\frac{8}{15} + \frac{2}{3}$	15	$\frac{8}{15} + \frac{10}{15}$	$\frac{18}{15} = 1\frac{3}{15} (1\frac{1}{5})$
$\frac{7}{4} - \frac{4}{5}$	20	$\frac{35}{20} - \frac{16}{20}$	$\frac{19}{20}$
$\frac{5}{3} + \frac{3}{5}$	15	$\frac{25}{15} + \frac{9}{15}$	$\frac{34}{15} (2\frac{4}{15})$

6. Write the missing number.

$$\frac{5}{3} + \frac{\boxed{3}}{4} = \frac{29}{12}$$

7. A small rowing boat can safely carry 130 kg.



The table shows the masses of five people.

Name	Fatima	Raphael	Mary	Ravi	Bob
Mass in kilograms	42.3	28.9	59.5	56.7	70.3

Can the boat safely carry Mary and Bob? yes

Explain your answer.

129.8 kg less than 130 kg

8. Use the **same** digit to complete this calculation.

$$\begin{array}{|c|c|} \hline 2 & 7 \\ \hline \end{array} - \begin{array}{|c|c|c|} \hline 1 & 7 & 3 \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 0 & 9 & 7 \\ \hline \end{array}$$