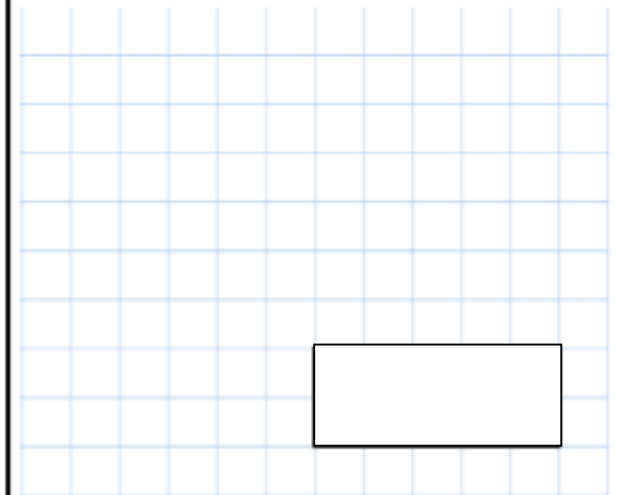
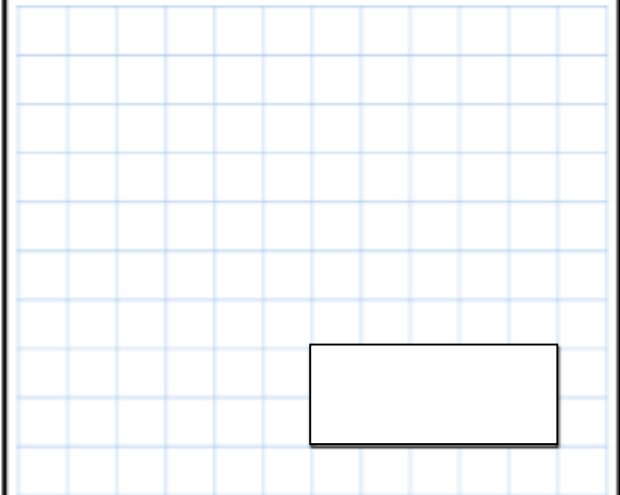

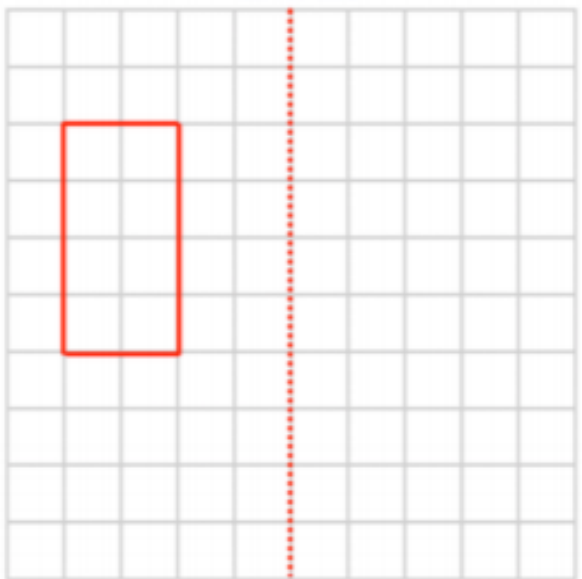


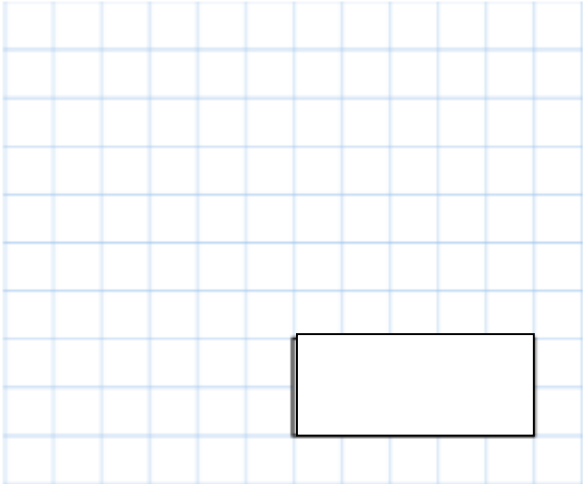

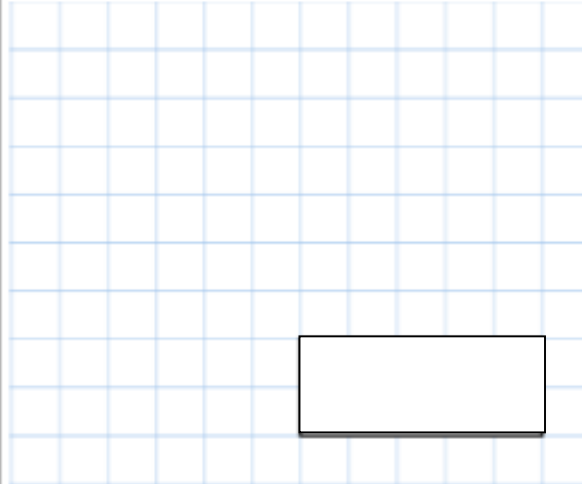

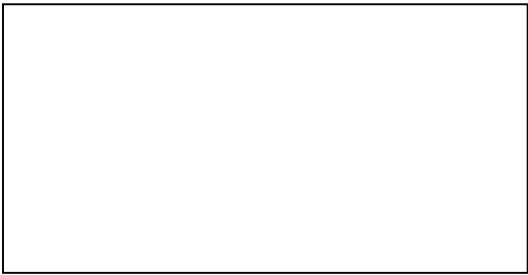
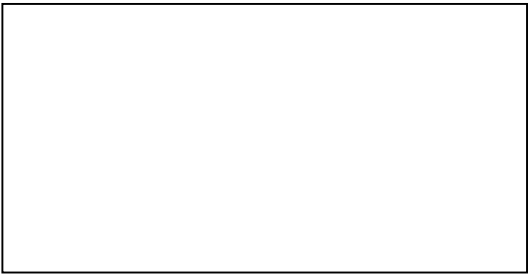
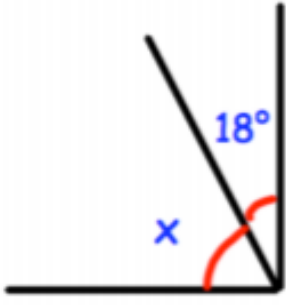
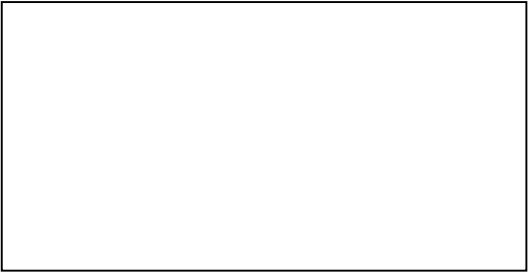

$$452 + 549$$

Write down all the factors of 16

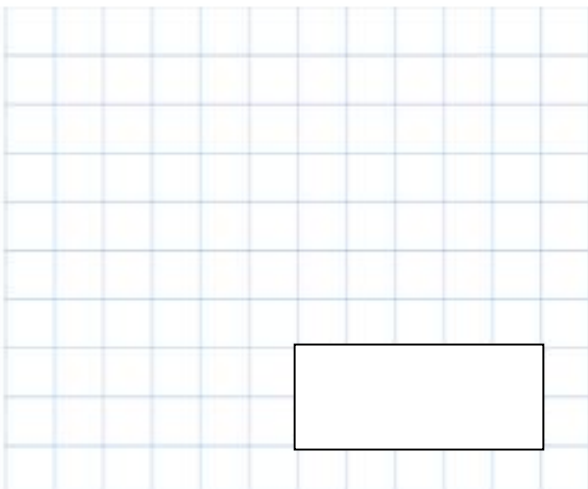
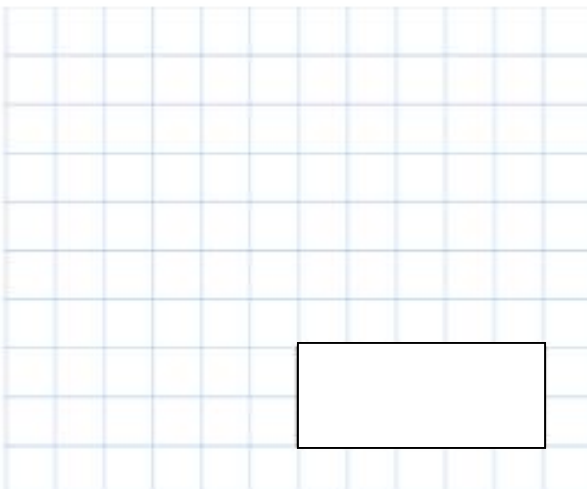
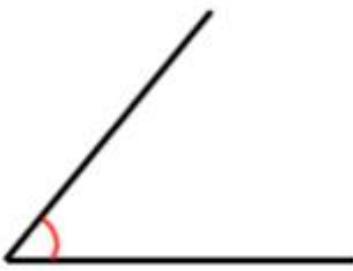
Tuesday- 5 a day

$\frac{9}{10} - \frac{3}{10}$  <div data-bbox="518 801 769 907" style="border: 1px solid black; width: 157px; height: 47px; margin: 10px auto;"></div>	$565 - 190$  <div data-bbox="1133 801 1383 907" style="border: 1px solid black; width: 157px; height: 47px; margin: 10px auto;"></div>
<p>At the football match 2156 hot drinks were sold.</p> <p>Round this number to the nearest thousand.</p>	<div data-bbox="837 985 1177 1294" style="border: 1px solid black; width: 213px; height: 138px; margin: 10px;"></div> 
<p>Shown is a rectangle on a grid of centimetre squares.</p> <p>Write down the area of the rectangle</p> <div data-bbox="236 1485 766 1653" style="border: 1px solid black; width: 332px; height: 75px; margin: 10px;"></div> <p>Reflect the rectangle in the mirror line.</p> <div data-bbox="438 1742 555 1982" style="border: 1px solid red; width: 73px; height: 107px; margin: 10px auto;"></div>	<p style="text-align: center; color: blue;">mirror line</p> 

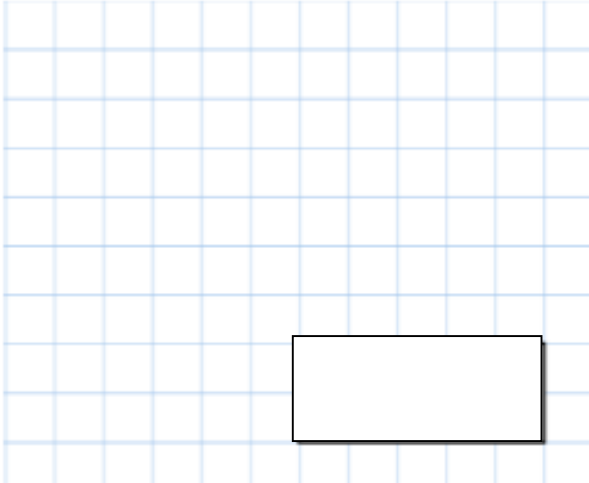
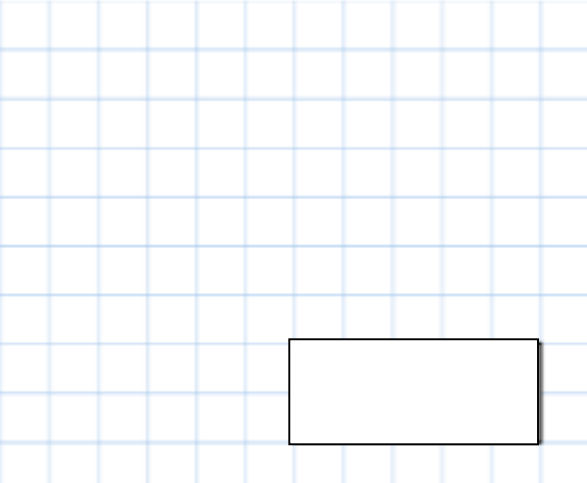

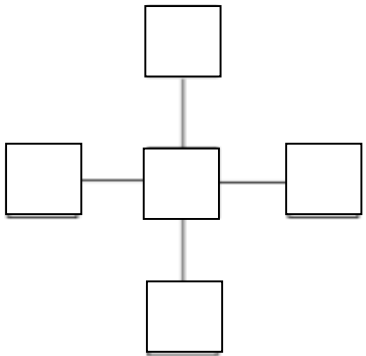
Wednesday- 5 a day

9×33  	$6.7 + 1.9$  
Write the number eight thousand, four hundred and nine in figures	
Find the size of angle x. 	
Find the perimeter of this square 	34cm 

Thursday- 5 a day

$603 - 157$  <div style="border: 1px solid black; width: 150px; height: 40px; margin: 0 auto;"></div>	$115 \div 5$  <div style="border: 1px solid black; width: 150px; height: 40px; margin: 0 auto;"></div>
<p>Here is an angle.</p> <p>Circle what type of angle it is.</p> <p>Reflex Obtuse</p> <p>Right Acute </p>	
<p>Write in the missing numbers</p>	$ \begin{array}{r} 3 \square 9 \\ + \square 3 \square \\ \hline 572 \end{array} $
<p>Hannah has £900.</p> <p>She spends $\frac{1}{3}$ on books and $\frac{2}{5}$ on presents</p> <p>How much money does Hannah have left?</p>	<div style="border: 1px solid black; width: 340px; height: 120px; margin: 0 auto;"></div>

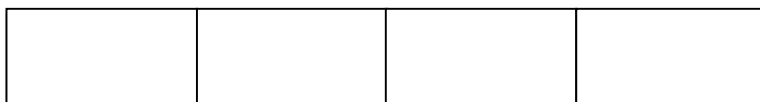
Friday- 5 a day

<p>18×100</p>  <div data-bbox="504 808 759 920" style="border: 1px solid black; width: 160px; height: 50px; margin: 10px auto;"></div>	<p>$\frac{1}{6}$ of 84</p>  <div data-bbox="1123 808 1378 920" style="border: 1px solid black; width: 160px; height: 50px; margin: 10px auto;"></div>
<p>Super Bowl LIV will take place in 2020.</p>  <p>Write LIV in figures</p>	<div data-bbox="836 976 1410 1294" style="border: 1px solid black; width: 360px; height: 142px;"></div>
<p>The numbers in this sequence increase by the same amount each time.</p> <p>Find the missing numbers</p>	<div data-bbox="847 1417 1410 1491" style="display: flex; align-items: center; justify-content: space-around;"> <div style="border: 1px solid black; width: 50px; height: 30px;"></div> 52 61 <div style="border: 1px solid black; width: 50px; height: 30px;"></div> 79 </div>
<p>Here are five number cards.</p> <div data-bbox="229 1778 788 1879" style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 10px; margin: 2px;">2</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 10px; margin: 2px;">4</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 10px; margin: 2px;">6</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 10px; margin: 2px;">8</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 10px; margin: 2px;">10</div> </div> <p>Use each number once so that the total down is the same as the total across</p>	

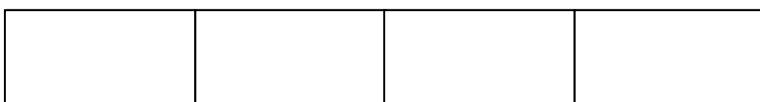
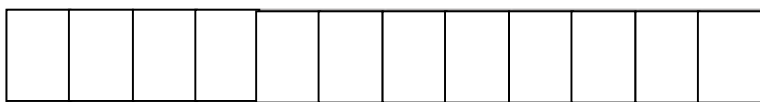
Task 2 – Comparing and Ordering Fractions less than 1

- 1 Write <, > or = to compare the fractions.

Use the bar models to help you.



$$\frac{7}{8} \quad \square \quad \frac{3}{4} \quad < \quad > \quad =$$



$$\frac{9}{12} \quad \bigcirc \quad \frac{3}{4} \quad < \quad > \quad =$$



$$\frac{7}{12} \quad \bigcirc \quad \frac{2}{3} \quad < \quad > \quad =$$

2 Write <, > or = to compare the fractions.

a) $\frac{1}{5}$ $\frac{4}{15}$ g) $\frac{2}{9}$ $\frac{1}{3}$

b) $\frac{2}{5}$ $\frac{4}{15}$ h) $\frac{4}{9}$ $\frac{1}{3}$

c) $\frac{2}{5}$ $\frac{6}{15}$ i) $\frac{4}{12}$ $\frac{1}{3}$

d) $\frac{2}{3}$ $\frac{6}{15}$ j) $\frac{8}{12}$ $\frac{2}{3}$

e) $\frac{2}{3}$ $\frac{6}{12}$ k) $\frac{8}{12}$ $\frac{3}{3}$

f) $\frac{2}{3}$ $\frac{6}{9}$ l) $\frac{8}{12}$ $\frac{3}{4}$

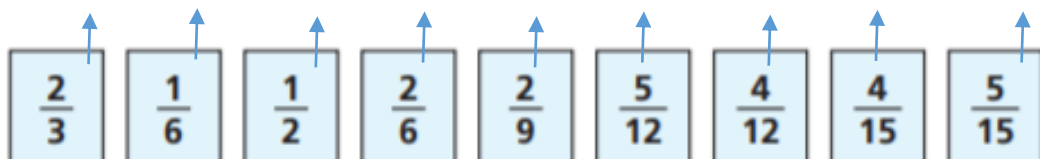
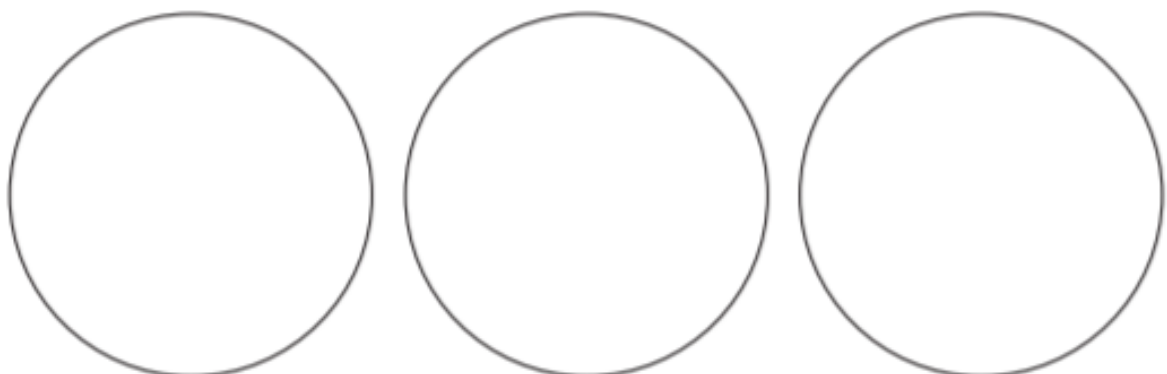
3 Sort the fractions into the circles.

Write the fractions in the right circle or extend the arrow to right circle.

greater than $\frac{1}{3}$

equal to $\frac{1}{3}$

less than $\frac{1}{3}$



Task 3

What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

a) $\frac{\boxed{}}{5} < \frac{5}{15}$

d) $\frac{\boxed{}}{3} < \frac{5}{6}$

g) $\frac{6}{9} < \frac{5}{\boxed{}}$

b) $\frac{\boxed{}}{6} < \frac{5}{12}$

e) $\frac{3}{5} < \frac{5}{\boxed{}}$

h) $\frac{10}{12} < \frac{5}{\boxed{}}$

c) $\frac{\boxed{}}{12} < \frac{5}{6}$

f) $\frac{5}{6} < \frac{5}{\boxed{}}$

i) $\frac{23}{24} < \frac{5}{\boxed{}}$

Tommy and Eva are comparing fractions.

$\frac{2}{3}$	$\frac{8}{12}$	$\frac{4}{9}$
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Tommy

I found a common denominator of 36 to compare the fractions.

I found a common numerator of 4 to compare the fractions.



Eva

Whose method is more efficient?

Why?

Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

What could the missing numerator be?

$$\frac{3}{5} < \frac{\boxed{}}{15} < \frac{9}{10}$$

Write all four possibilities.

15


15

15


15

Challenge


Use the clues to help you work out what fraction Darcey, Asha and Caleb are thinking of...



Asha



Caleb



Darcey

- Caleb has the smallest fraction.
- Darcey has the largest fraction.
- All three fractions have different numerators and denominators.
- Caleb has the greatest denominator.
- Asha has the smallest denominator.
- All three fractions have denominators that are divisible by 9.
- The total of all the numerators is 42.

Is there more than one possibility?

How do you know?

Is there more than one possibility?

ANSWERS

Monday- 5 a day answers

$$144 \div 12$$

12

$$452 + 549$$

$$\begin{array}{r} 452 \\ + 549 \\ \hline 1001 \end{array}$$

1001

There are 52,743 fans at a football match between Bristol City and Luton Town.

Write down the value of the **2** in the number 52,743.

Two thousand




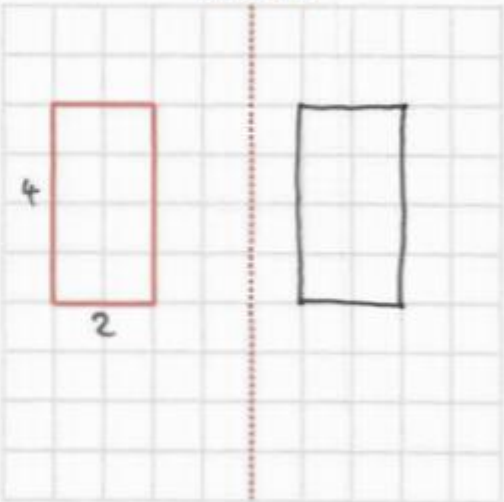
Write XXXVI in figures

36

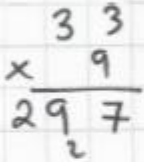
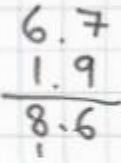
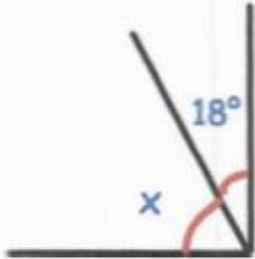

Write down all the factors of 16

1, 2, 4, 8, 16

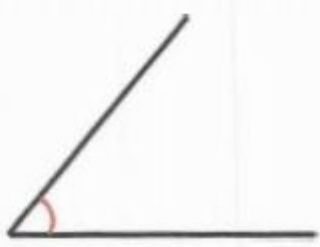
Tuesday- 5 a day answers

$\frac{9}{10} - \frac{3}{10} = \frac{6}{10}$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $\frac{6}{10} \text{ or } \frac{3}{5}$ </div>	$565 - 190$ $\begin{array}{r} 4865 \\ - 190 \\ \hline 375 \end{array}$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> 375 </div>
<p>At the football match 2156 hot drinks were sold.</p> <p>Round this number to the nearest thousand.</p> <p style="text-align: center; font-size: 1.2em;">2000</p>	
<p>Shown is a rectangle on a grid of centimetre squares.</p> <p>Write down the area of the rectangle</p> <p style="text-align: center; font-size: 1.2em;">8cm²</p>	<p style="text-align: center; color: blue;">mirror line</p> 
<p>Reflect the rectangle in the mirror line.</p>	

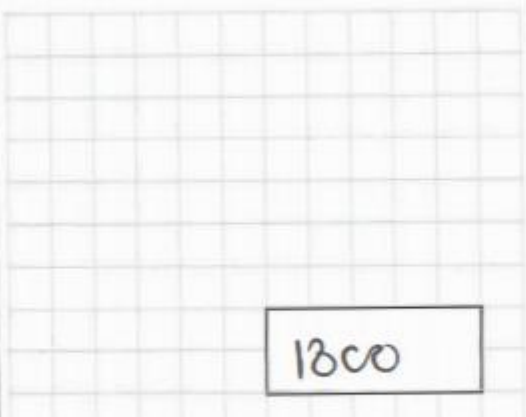
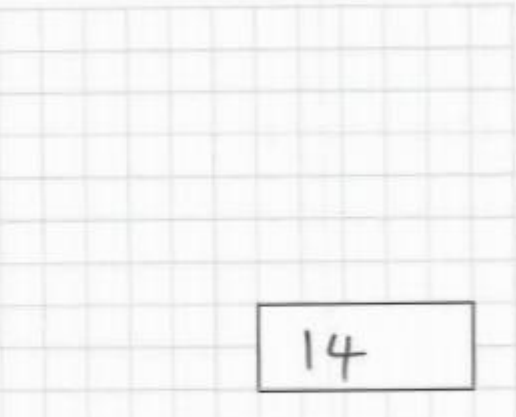

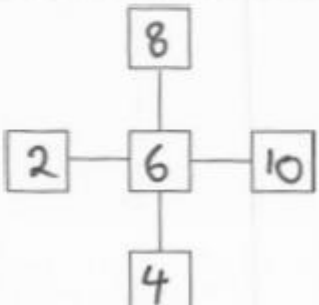
Wednesday- 5 a day answers

<p>9×33</p>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">297</div>	<p>$6.7 + 1.9$</p>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">8.6</div>
<p>Write the number eight thousand, four hundred and nine in figures</p> <p style="font-size: 1.5em; margin-top: 20px;">8,409</p>	
<p>Find the size of angle x.</p> <p style="font-size: 1.5em; margin-top: 20px;">$90 - 18 = 72^\circ$</p>	
<p>Find the perimeter of this square</p> <p style="font-size: 1.5em; margin-top: 20px;">$34 \times 4 = 136\text{cm}$</p>	<p style="color: green; font-weight: bold; margin-bottom: 10px;">34cm</p> 

Thursday- 5 a day answers

<p>603 – 157</p> $\begin{array}{r} 603 \\ - 157 \\ \hline 446 \end{array}$ <p>446</p>	<p>115 ÷ 5</p> $\begin{array}{r} 23 \\ 5 \overline{) 115} \\ \underline{10} \\ 15 \\ \underline{15} \\ 0 \end{array}$ <p>23</p>
<p>Here is an angle.</p> <p>Circle what type of angle it is.</p> <p>Reflex Obtuse</p> <p>Right <u>Acute</u></p>	
<p>Write in the missing numbers</p>	$\begin{array}{r} 3 \boxed{3} 9 \\ + \boxed{2} 3 \boxed{3} \\ \hline 572 \end{array}$
<p>Hannah has £900.</p> <p>She spends $\frac{1}{3}$ on books and $\frac{2}{5}$ on presents</p> <p>How much money does Hannah have left?</p> <p>£240</p>	$\begin{array}{l} \frac{1}{3} \text{ of } 900 = 300 \\ \frac{2}{5} \text{ of } 900 = 360 \\ 300 + 360 = 660 \\ 900 - 660 = 240 \end{array}$

Friday- 5 a day answers

<p>18×100</p>  <p>1800</p>	<p>$\frac{1}{6}$ of 84</p>  <p>14</p>
<p>Super Bowl LIV will take place in 2020.</p>  <p>Write LIV in figures</p>	<p>54</p>
<p>The numbers in this sequence increase by the same amount each time.</p> <p>Find the missing numbers</p>	<p> $\begin{array}{ccccccc} & & +9 & & & & \\ & & \frown & & & & \\ \boxed{43} & 52 & 61 & \boxed{70} & 79 \end{array}$ </p>
<p>Here are five number cards.</p> <p> $\boxed{2}$ $\boxed{4}$ $\boxed{6}$ $\boxed{8}$ $\boxed{10}$ </p> <p>Use each number once so that the total down is the same as the total across</p>	

Task 2- Answers

- 2 Convert the mixed numbers to improper fractions.

Colour the bar models to help you.

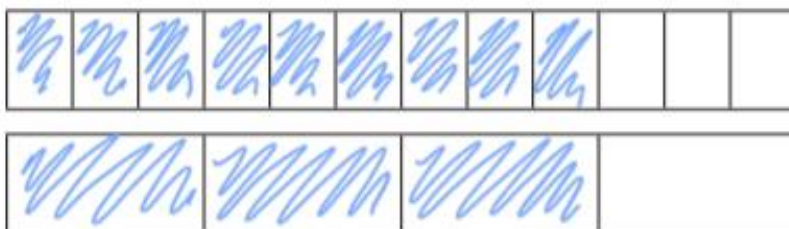
- 1 Write $<$, $>$ or $=$ to compare the fractions.

Use the bar models to help you.



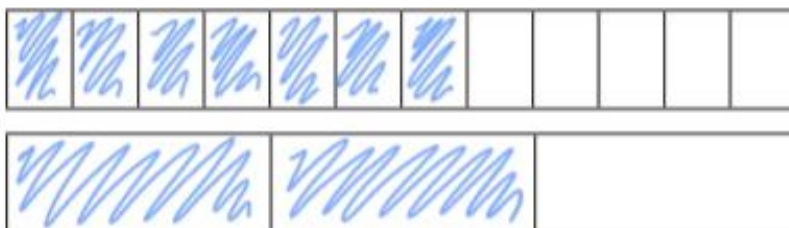
$$\frac{7}{8} \bigcirc \frac{3}{4}$$

The circle contains a greater-than sign ($>$).



$$\frac{9}{12} \bigcirc \frac{3}{4}$$

The circle contains an equals sign ($=$).



$$\frac{7}{12} \bigcirc \frac{2}{3}$$

The circle contains a less-than sign ($<$).

a) $\frac{1}{5}$ $\left(< \right)$ $\frac{4}{15}$

g) $\frac{2}{9}$ $\left(< \right)$ $\frac{1}{3}$

b) $\frac{2}{5}$ $\left(> \right)$ $\frac{4}{15}$

h) $\frac{4}{9}$ $\left(> \right)$ $\frac{1}{3}$

c) $\frac{2}{5}$ $\left(= \right)$ $\frac{6}{15}$

i) $\frac{4}{12}$ $\left(= \right)$ $\frac{1}{3}$

d) $\frac{2}{3}$ $\left(> \right)$ $\frac{6}{15}$

j) $\frac{8}{12}$ $\left(= \right)$ $\frac{2}{3}$

e) $\frac{2}{3}$ $\left(> \right)$ $\frac{6}{12}$

k) $\frac{8}{12}$ $\left(< \right)$ $\frac{3}{3}$

f) $\frac{2}{3}$ $\left(= \right)$ $\frac{6}{9}$

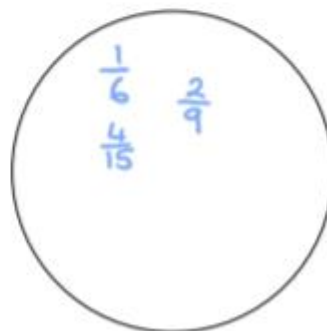
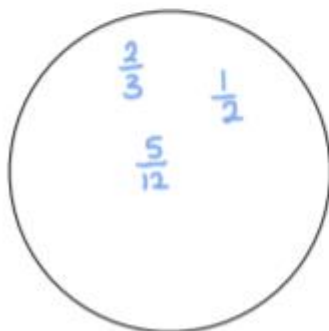
l) $\frac{8}{12}$ $\left(< \right)$ $\frac{3}{4}$

3 Sort the fractions into the circles.

greater than $\frac{1}{3}$

equal to $\frac{1}{3}$

less than $\frac{1}{3}$



$\frac{2}{3}$

$\frac{1}{6}$

$\frac{1}{2}$

$\frac{2}{6}$

$\frac{2}{9}$

$\frac{5}{12}$

$\frac{4}{12}$

$\frac{4}{15}$

$\frac{5}{15}$

Task 3

Write a number in each box to make the statements correct.

e.g.

a) $\frac{\boxed{1}}{5} < \frac{5}{15}$

d) $\frac{\boxed{1}}{3} < \frac{5}{6}$

g) $\frac{6}{9} < \frac{5}{\boxed{6}}$

b) $\frac{\boxed{2}}{6} < \frac{5}{12}$

e) $\frac{3}{5} < \frac{5}{\boxed{5}}$

h) $\frac{10}{12} < \frac{5}{\boxed{4}}$

c) $\frac{\boxed{5}}{12} < \frac{5}{6}$

f) $\frac{5}{6} < \frac{5}{\boxed{5}}$

i) $\frac{23}{24} < \frac{5}{\boxed{5}}$

Answers can vary – ask an adult if help needed

Tommy and Eva are comparing fractions.

$\frac{2}{3}$	$\frac{8}{12}$	$\frac{4}{9}$
---------------	----------------	---------------



Tommy

I found a common denominator of 36 to compare the fractions.

I found a common numerator of 4 to compare the fractions.



Eva

Whose method is more efficient? Various

Answers can vary – ask an adult if help needed

Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

$$\frac{2}{10}$$

$$\frac{2}{7}$$

$$\frac{2}{5}$$

$$\frac{2}{4}$$

$$\frac{2}{3}$$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

$$\frac{1}{9}$$

$$\frac{2}{9}$$

$$\frac{5}{9}$$

$$\frac{2}{3}$$

$$\frac{5}{6}$$

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

$$\frac{1}{5}$$

$$\frac{3}{10}$$

$$\frac{1}{2}$$

$$\frac{3}{5}$$

$$\frac{7}{10}$$

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

$$\frac{2}{7}$$

$$\frac{1}{3}$$

$$\frac{6}{17}$$

$$\frac{3}{8}$$

$$\frac{12}{30}$$

What could the missing numerator be?

$$\frac{3}{5} < \frac{\boxed{}}{15} < \frac{9}{10}$$

Write all four possibilities.

$$\frac{10}{15}$$


$$\frac{11}{15}$$

$$\frac{12}{15}$$


$$\frac{13}{15}$$

Challenge – answers


Use the clues to help you work out what fraction Darcey, Asha and Caleb are thinking of...



Asha



Caleb



Darcey

- Caleb has the smallest fraction.
- Darcey has the largest fraction.
- All three fractions have different numerators and denominators.
- Caleb has the greatest denominator.
- Asha has the smallest denominator.
- All three fractions have denominators that are divisible by 9.
- The total of all the numerators is 42.

Is there more than one possibility?

Email your teacher with your answers!