Fractions

MyMaths

Question 1: Equivalent fractions

Fill the spaces to make equivalent fractions.

a $\frac{1}{3} = \frac{\square}{12}$

b $\frac{48}{56} = \frac{\square}{7}$

c $\frac{\square}{10} = \frac{42}{60}$

d $\frac{\square}{50} = \frac{4}{5}$

e $\frac{2}{9} = \frac{6}{\square}$

f $\frac{30}{\square} = \frac{10}{11}$

g $\frac{3}{4} = \frac{27}{\square}$

h $\frac{32}{60} = \frac{\square}{15}$

Can you order the fractions **a** to **h** starting with the smallest?

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Question 2

Can you circle the fractions below that are greater than 1?

$\frac{11}{9}$		$\frac{28}{24}$		$\frac{11}{12}$		$\frac{4}{3}$
	$\frac{7}{18}$		$\frac{36}{23}$		$\frac{17}{19}$		$\frac{7}{4}$
$\frac{84}{48}$		$\frac{56}{65}$		$\frac{91}{90}$		$\frac{120}{100}$

Question 3: Greater than or less than

Fill in the boxes below with either < or >

a $\frac{2}{5}$ ☐ $\frac{7}{20}$ **b** $\frac{1}{7}$ ☐ $\frac{1}{14}$ **c** $\frac{12}{8}$ ☐ $\frac{8}{4}$

d $\frac{5}{6}$ ☐ $\frac{21}{24}$ **e** $\frac{3}{4}$ ☐ $\frac{8}{12}$ **f** $\frac{8}{6}$ ☐ $\frac{2}{3}$

g $\frac{18}{16}$ ☐ $\frac{6}{8}$ **h** $\frac{1}{2}$ ☐ $\frac{3}{8}$ **i** $\frac{21}{28}$ ☐ $\frac{9}{7}$

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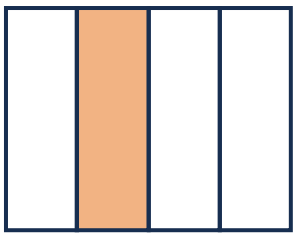
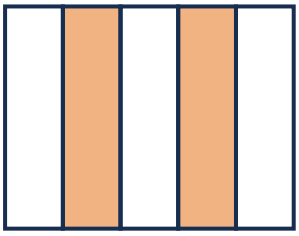
Question 4

Can you simplify these fractions and pair them with the correct shaded box?

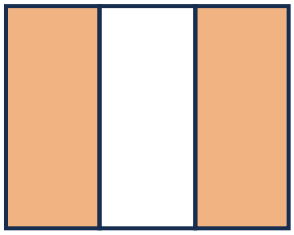
$\frac{7}{21}$ = $\frac{\square}{\square}$



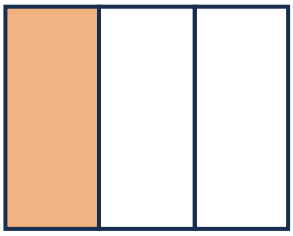
$\frac{24}{48}$ = $\frac{\square}{\square}$



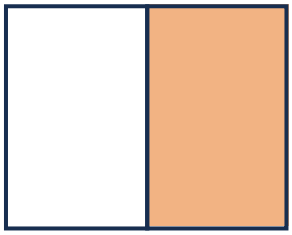
$\frac{10}{25}$ = $\frac{\square}{\square}$



$\frac{8}{12}$ = $\frac{\square}{\square}$



$\frac{8}{32}$ = $\frac{\square}{\square}$



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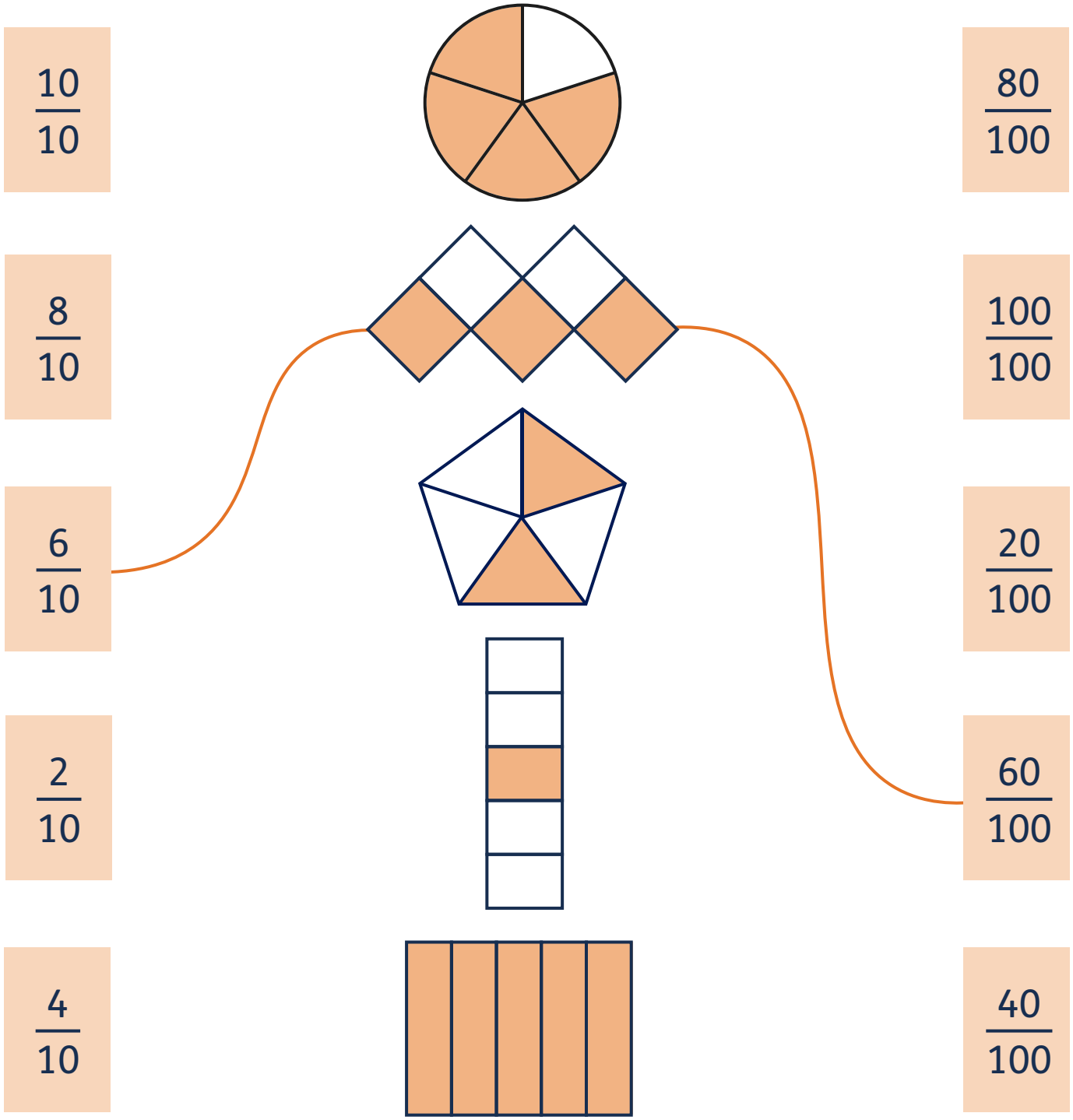
Question 5

Look at the part shaded shapes below. Can you show which equivalent tenth and hundredth fractions match?

One has been completed for you.



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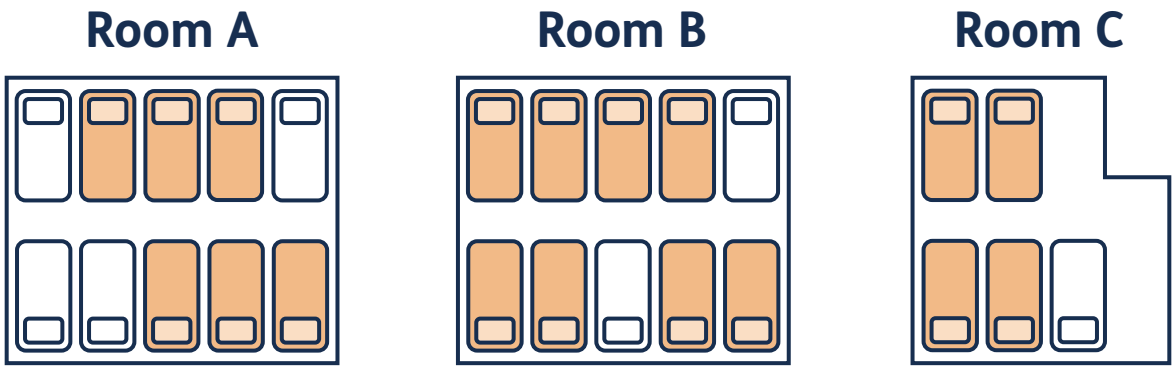
Question 5

Henry is on a school trip with some of his class. In their hostel, there are two sizes of room. One size of room sleeps 10 children. The other size of room sleeps 5 children. There are 18 children on the trip, split across three rooms: **A**, **B** and **C**.

Children are sleeping in the orange beds, the white beds are empty.



a As a fraction, can you show how many beds are occupied in each room?

A	B	C
☐/☐	☐/☐	☐/☐

b If all the children were in rooms A and B, how many empty beds would there be in those rooms? Give your answer as a fraction.

☐/☐

c If 10 classes were going on the trip and each class had 18 children, what is the minimum number of rooms they would need?

☐