Unit and non-unit fractions

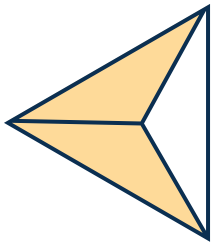
Answer sheet

MyMaths

Question 1

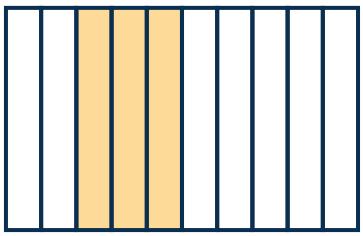
What fraction of these shapes have been shaded?

a



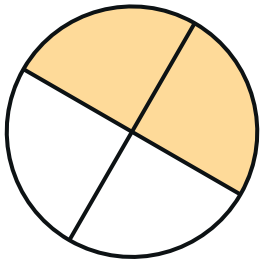
$\frac{2}{3}$

b



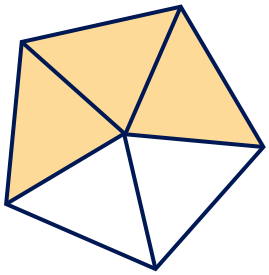
$\frac{3}{10}$

c



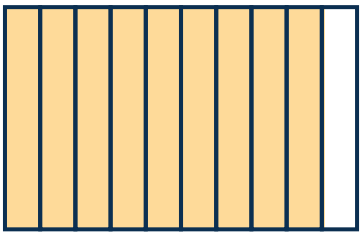
$\frac{2}{4}$

d



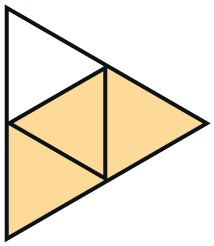
$\frac{3}{5}$

e



$\frac{9}{10}$

f

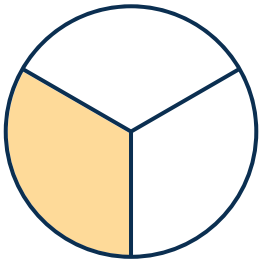


$\frac{3}{4}$

g

$\frac{1}{6}$

h



$\frac{1}{3}$

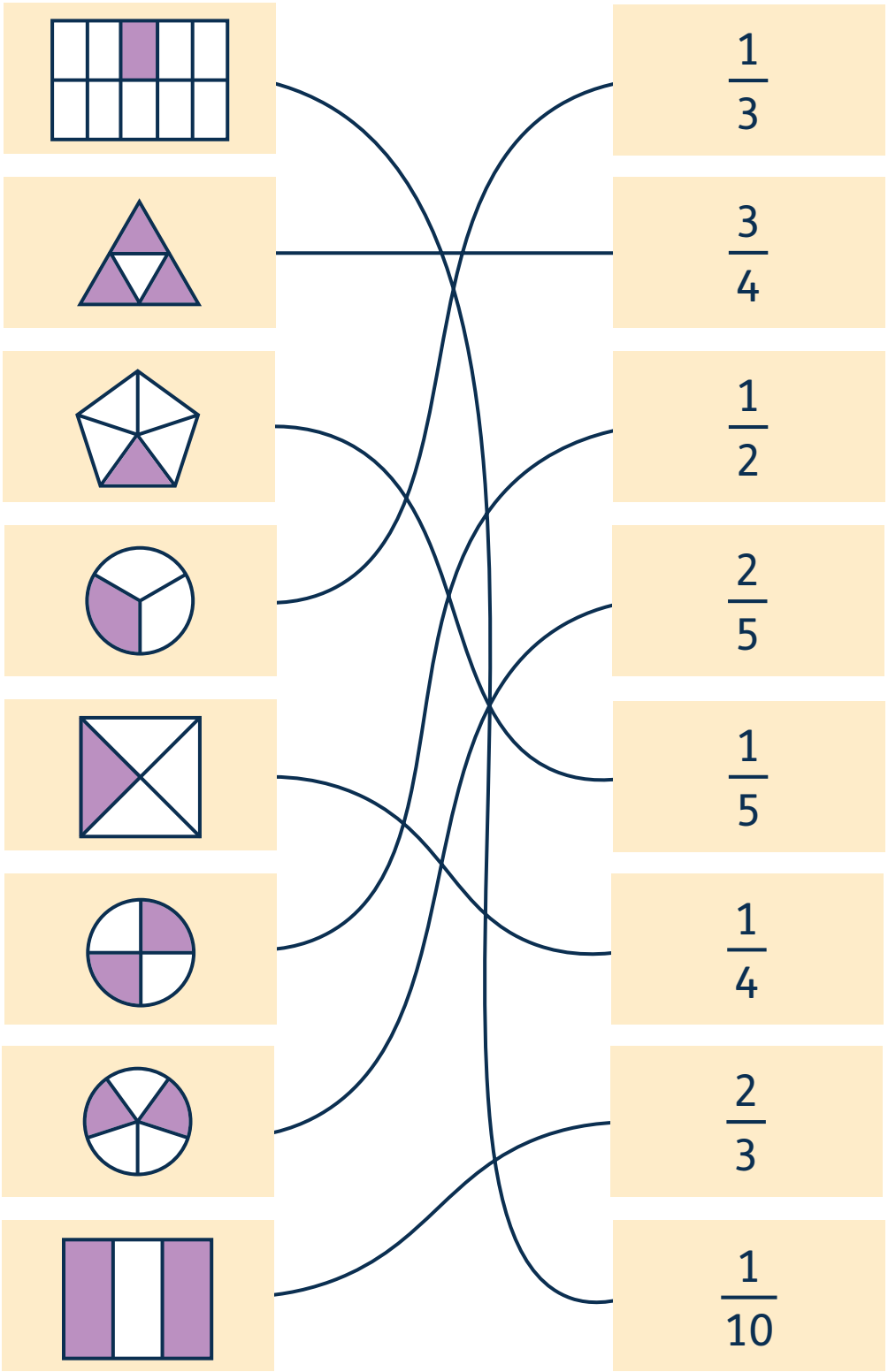
Unit and non-unit fractions

Answer sheet

MyMaths

Question 2

Can you match the fractions to the correct shape?



For further practice, log in to **mymaths.co.uk** to access our WR Summer term booster pack

OXFORD

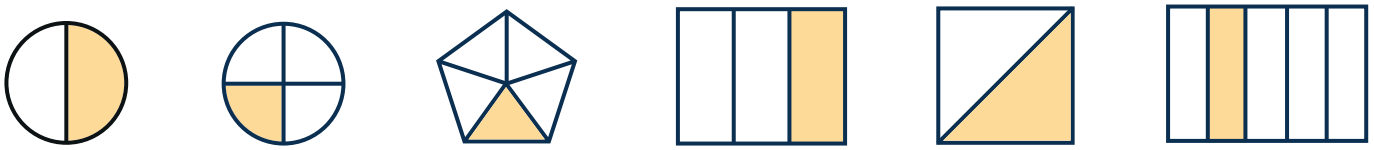
Unit and non-unit fractions

Answer sheet

Question 3

Can you match the fractions to the box they belong in?

a b c d e f

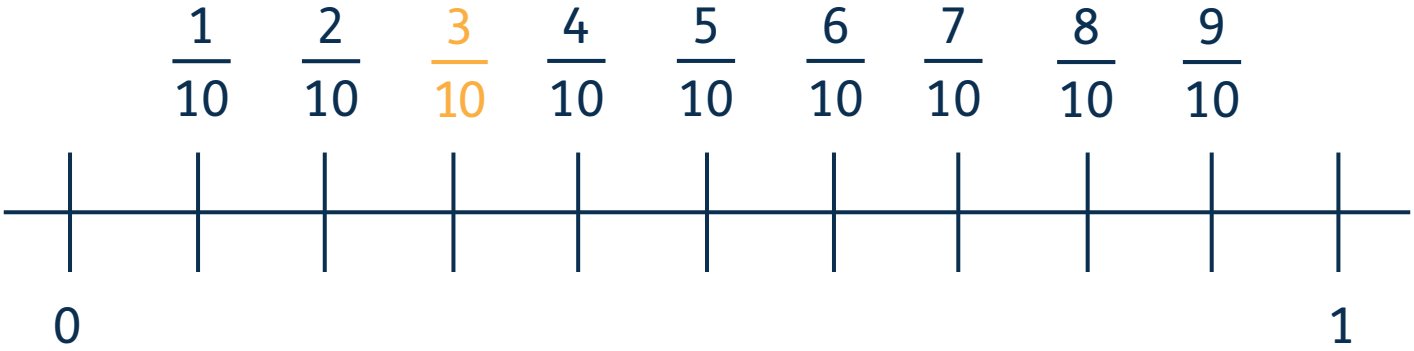


g h i j k l

$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$
a, e, k	d, i, l	b, g, h	c, f, j

Question 4

Can you complete this number line?



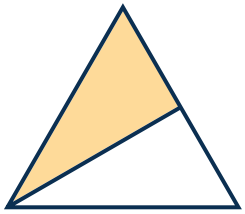
Unit and non-unit fractions

Answer sheet

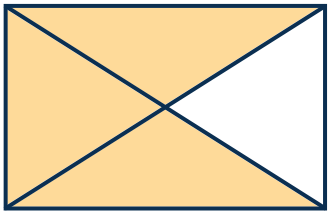
Question 5

Can you shade these shapes to make the fraction shown?

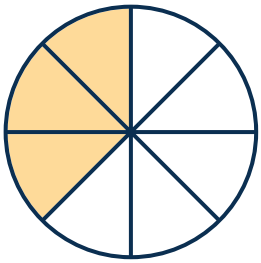
a $\frac{1}{2}$



b $\frac{3}{4}$

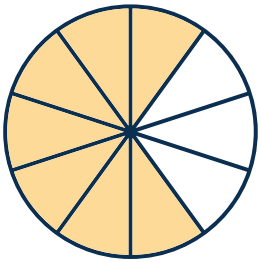


c $\frac{3}{8}$



d $\frac{1}{6}$

e $\frac{7}{10}$



f $\frac{2}{5}$

Fractions

Answer sheet

MyMaths

Question 1: Equivalent fractions

Fill the spaces to make equivalent fractions.

a $\frac{1}{3} = \frac{\boxed{4}}{12}$

b $\frac{48}{56} = \frac{\boxed{6}}{7}$

c $\frac{\boxed{7}}{10} = \frac{42}{60}$

d $\frac{\boxed{40}}{50} = \frac{4}{5}$

e $\frac{2}{9} = \frac{6}{\boxed{27}}$

f $\frac{30}{\boxed{33}} = \frac{10}{11}$

g $\frac{3}{4} = \frac{27}{\boxed{36}}$

h $\frac{32}{60} = \frac{\boxed{8}}{15}$

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

e, a, h, c, g, d, b, f

Fractions

Answer sheet

MyMaths

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** $\frac{21}{28} < \frac{9}{7}$

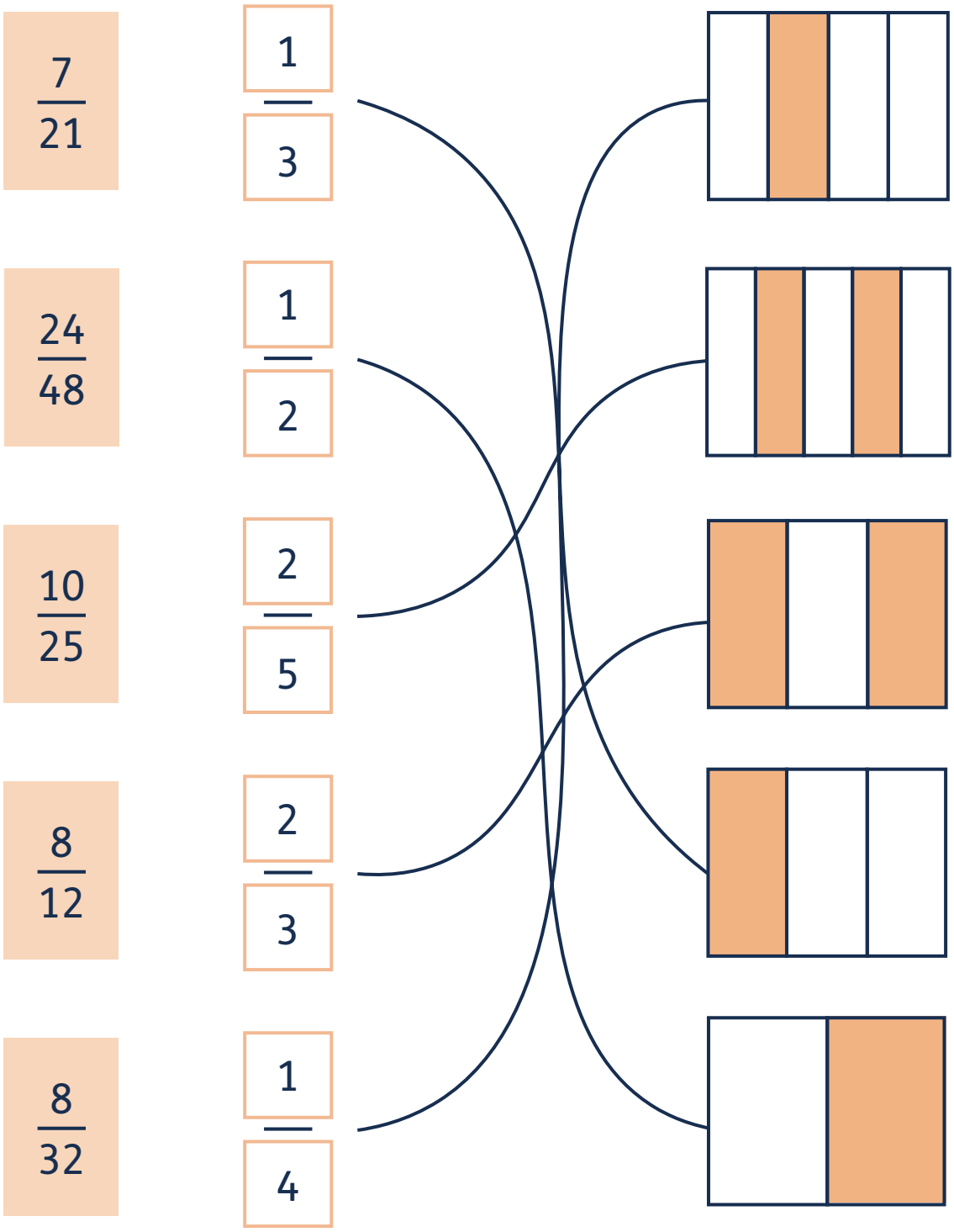
Fractions

Answer sheet

MyMaths

Question 4

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



For further practice, log in to **mymaths.co.uk** to access our WR Summer term booster pack

OXFORD

Fractions

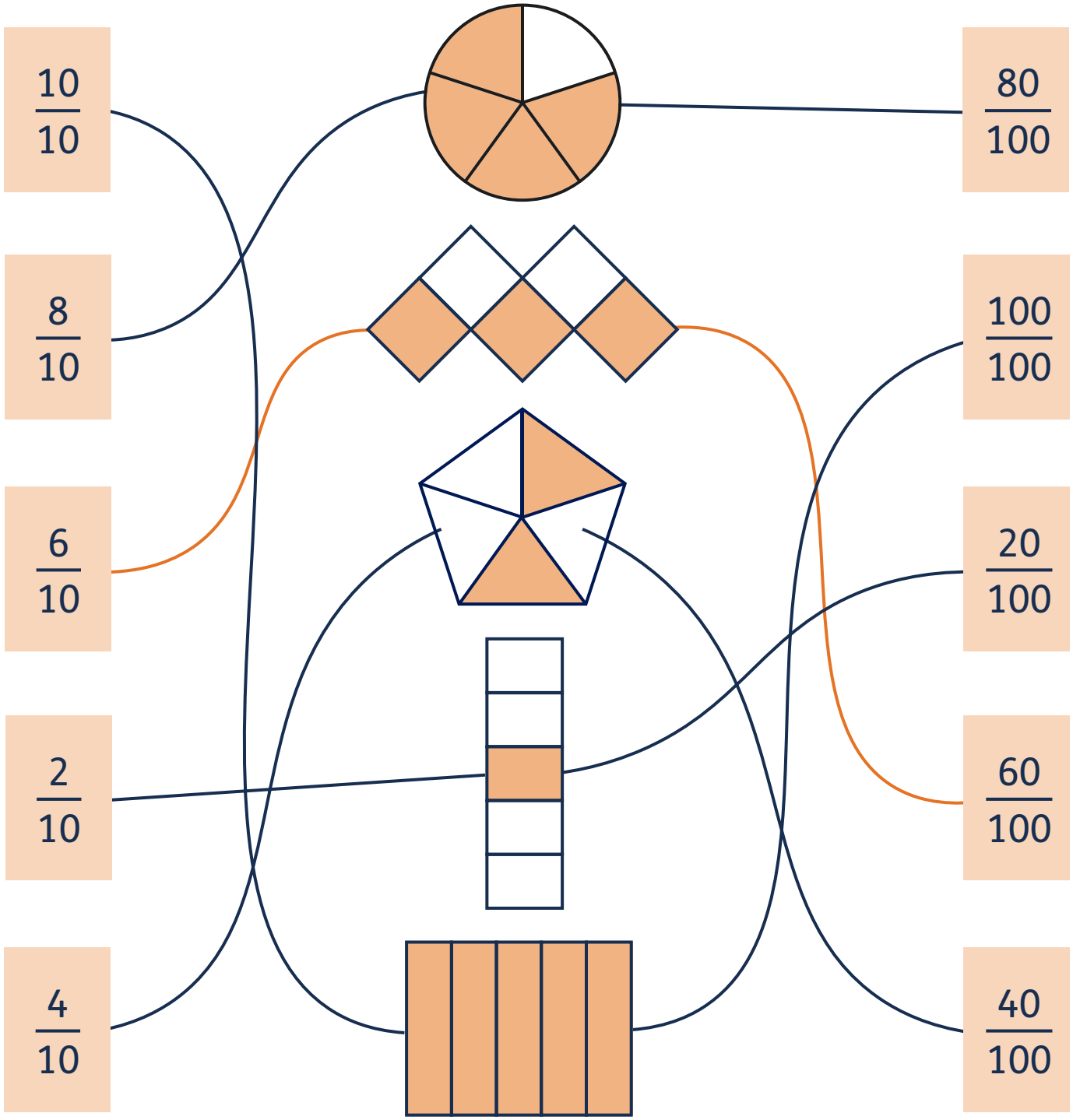
Answer sheet

MyMaths

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.



For further practice, log in to **mymaths.co.uk** to access our WR Summer term booster pack

Fractions

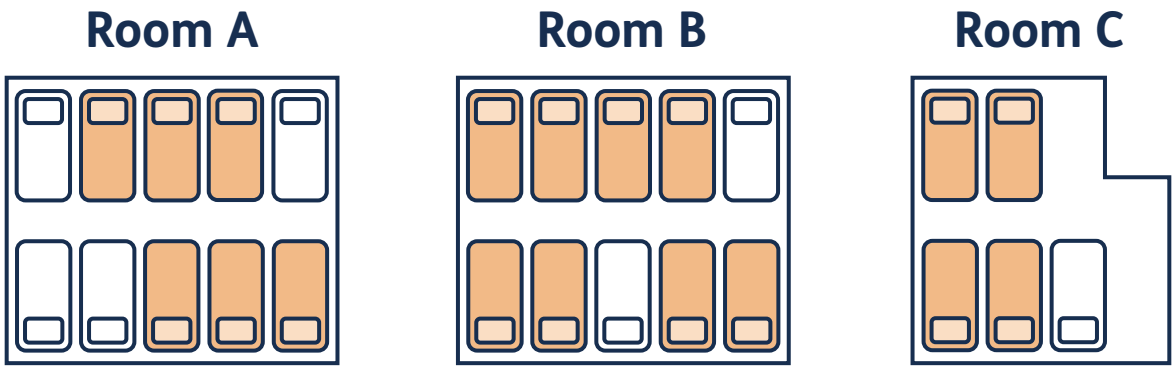
Answer sheet

MyMaths

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
$\frac{6}{10}$	$\frac{8}{10}$	$\frac{4}{5}$

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.

$\frac{2}{20}$

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?

18

Fractions

Answer sheet

MyMaths

Question 1

Add and subtract these unlike fractions:

a $\frac{1}{8} + \frac{1}{2} = \frac{5}{8}$

b $\frac{22}{25} - \frac{3}{5} = \frac{7}{25}$

c $\frac{13}{15} - \frac{2}{5} = \frac{7}{15}$

d $\frac{1}{3} + \frac{2}{21} = \frac{9}{21}$

e $\frac{1}{12} + \frac{1}{2} = \frac{7}{12}$

f $\frac{17}{21} - \frac{3}{7} = \frac{8}{21}$

g $\frac{3}{7} + \frac{2}{21} = \frac{11}{21}$

h $\frac{2}{12} + \frac{3}{4} = \frac{11}{12}$

i $\frac{1}{4} + \frac{1}{2} = \frac{3}{4}$

Question 2

Can you add these unlike fractions and give your answer as a mixed number?

a $\frac{7}{10} + \frac{7}{20} = 1\frac{1}{20}$

b $\frac{7}{10} + \frac{19}{40} = 1\frac{7}{40}$

c $\frac{7}{4} + \frac{7}{12} = 2\frac{4}{12}$

d $1\frac{3}{9} + \frac{7}{9} = 2\frac{1}{9}$

e $\frac{5}{6} + \frac{7}{12} = 1\frac{5}{12}$

f $\frac{3}{5} + \frac{7}{15} = 1\frac{1}{15}$

Fractions

Answer sheet

MyMaths

Question 3

Can you work out these mixed number calculations in the space below then enter your answers?

a $6\frac{2}{3} + 2\frac{5}{6} = 9\frac{3}{6}$

b $8\frac{1}{2} - 2\frac{5}{6} = 5\frac{4}{6}$

c $7\frac{1}{12} - 4\frac{3}{4} = 2\frac{4}{12}$

d $7\frac{4}{9} - 3\frac{1}{3} = 4\frac{1}{9}$

e $4\frac{1}{3} + 1\frac{5}{6} = 1\frac{1}{6}$

f $6\frac{1}{2} + 1\frac{7}{8} = 8\frac{3}{8}$

Fractions

Answer sheet

MyMaths

Question 4

Selena and Hamid go for a bike ride. Selena rides $2\frac{2}{8}$ miles further than Hamid.

Use the space below to work out your answers.

a If Hamid rode for $3\frac{1}{4}$ miles, how may miles did Selena ride?

5 $\frac{4}{8}$

b If Hamid had ridden for $4\frac{14}{16}$ miles, how many miles would they have ridden altogether?

7 $\frac{2}{16}$

Fractions

Answer sheet

MyMaths

Question 5

Simon ate 5 quarters of apple and half an orange during lunch. Nick ate one and five eighths of an apple and one and three quarters of an orange.

Use the space below to work out your answers.

a How many pieces of fruit did Simon eat altogether?

$1\frac{3}{4}$

b How much more did Nick eat than Simon?

$1\frac{5}{8}$

c How much fruit did both boys eat altogether?

$5\frac{1}{8}$

d How many apples were eaten in total?

$2\frac{7}{8}$

e What quantity of orange is left over in total?

$\frac{3}{4}$

Fractions

Answer sheet

MyMaths

Question 6

There are 24 cars in the car park. $\frac{1}{12}$ of the cars are green, $\frac{3}{6}$ are yellow and the rest are red.

Use the space below to work out your answers.

a How many red cars are there?

10

b How many more yellow cars are there than red cars – can you show this as a fraction of the total?

$\frac{2}{12}$

Decimals

Answer sheet

MyMaths

Question 1

Can you complete these calculations?

a

7 × 10 = 70

7 × 100 = 700

7 × 1,000 = 7,000

b

3.4 × 10 = 34

3.4 × 100 = 340

3.4 × 1,000 = 3,400

c

2.63 × 10 = 26.3

2.63 × 100 = 263

2.63 × 1,000 = 2,630

d

0.56 × 10 = 5.6

0.56 × 100 = 56

0.56 × 1,000 = 560

e

9.25 × 10 = 92.5

9.25 × 100 = 925

9.25 × 1,000 = 9,250

f

8.7 × 10 = 87

8.7 × 100 = 870

8.7 × 1,000 = 8,700

Decimals

Answer sheet

MyMaths

Question 2

Can you fill in the gaps in these division calculations?

a

6,000 ÷ 10 = 600

6,000 ÷ 100 = 60

6,000 ÷ 1,000 = 6

b

4,200 ÷ 10 = 420

4,200 ÷ 100 = 42

4,200 ÷ 1,000 = 4.2

c

370 ÷ 10 = 37

370 ÷ 100 = 3.7

370 ÷ 1,000 = 0.37

d

40 ÷ 10 = 4

40 ÷ 100 = 0.4

40 ÷ 1,000 = 0.04

e

390 ÷ 10 = 39

390 ÷ 100 = 3.9

390 ÷ 1,000 = 0.39

f

24 ÷ 10 = 2.4

24 ÷ 100 = 0.24

24 ÷ 1,000 = 0.024

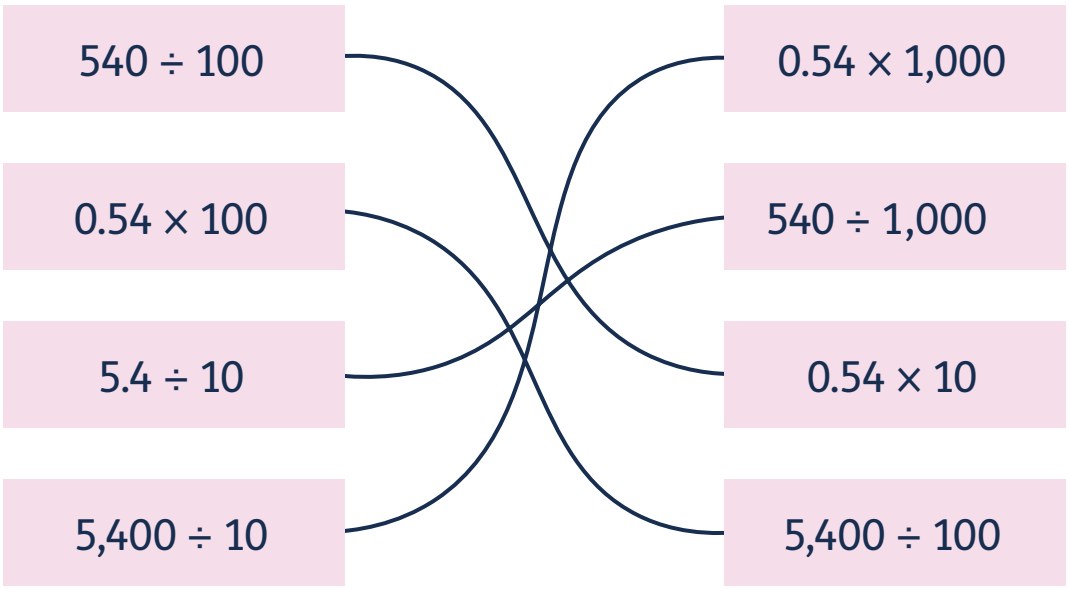
Decimals

Answer sheet

MyMaths

Question 3

Can you find the calculation pairs with the same answers?



Can you create your own calculation pairs by multiplying and dividing by 10, 100 and 1,000?

e.g.	2.5 × 100	2,500 ÷ 10
	250 ÷ 1,000	0.025 × 10
	25 ÷ 10	0.25 × 10
	250 ÷ 10	0.25 × 100

Decimals

Answer sheet

MyMaths

Question 4

Can you use known facts to help you complete the multiplications?

a $5 \times 0.9 =$ 4.5

b $4 \times 0.9 =$ 3.6

c $6 \times 0.2 =$ 1.2

d $7 \times 0.5 =$ 3.5

e $4 \times 0.04 =$ 0.16

f $3 \times 0.03 =$ 0.09

g $8 \times 0.09 =$ 0.72

h $7 \times 0.06 =$ 0.42

Question 5

Can you complete these multiplications?
You might want to use a place value grid to help.

a $4.1 \times 2 =$ 8.2

b $6.2 \times 3 =$ 18.6

c $1.6 \times 6 =$ 9.6

Question 6

Can you complete these division calculations?

a $1.4 \div 2 =$ 0.7

b $0.56 \div 2 =$ 0.28

c $32.2 \div 7 =$ 4.6

d $0.72 \div 8 =$ 0.09

e $26.4 \div 3 =$ 8.8

f $0.35 \div 5 =$ 0.07

g $7.36 \div 8 =$ 0.92

h $14.08 \div 2 =$ 7.04

Decimals

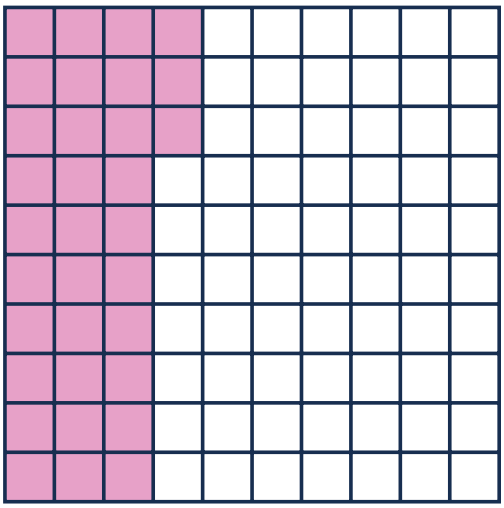
Answer sheet

MyMaths

Question 7

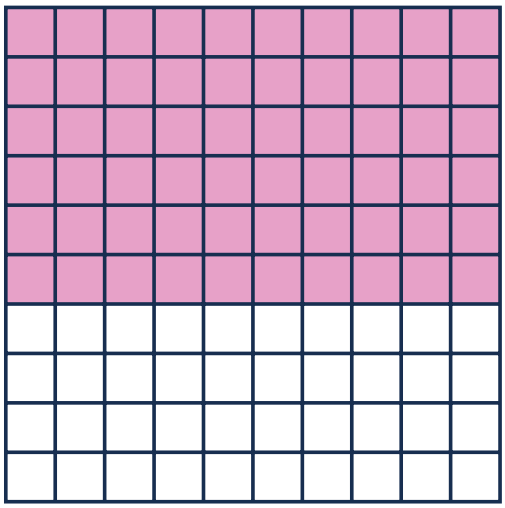
Can you write these decimals as a fraction? Can you simplify the fractions wherever possible? The first example has been done for you.

a



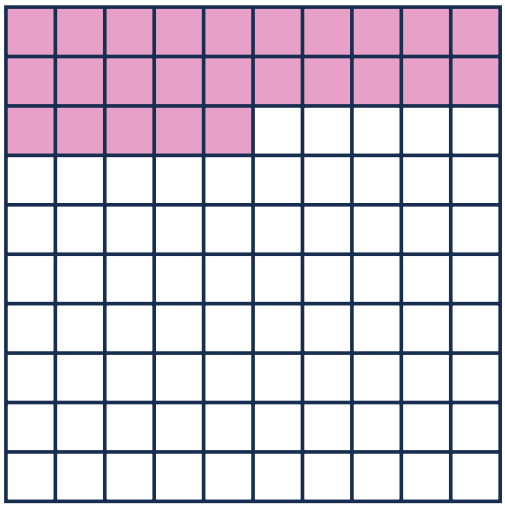
$$0.34 = \frac{34}{100} = \frac{17}{50}$$

b



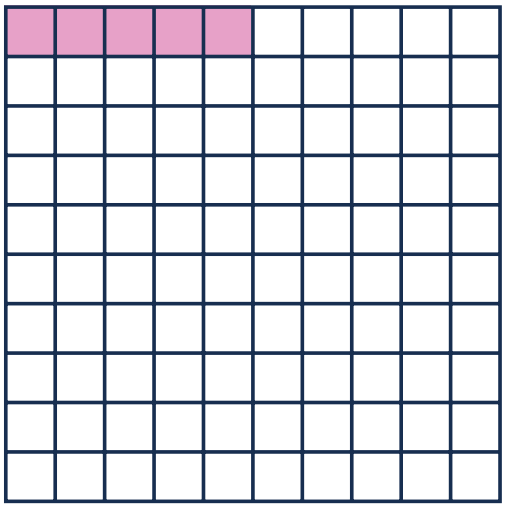
$$0.6 = \frac{60}{100} = \frac{3}{5}$$

c



$$0.25 = \frac{25}{100} = \frac{1}{4}$$

d



$$0.05 = \frac{5}{100} = \frac{1}{20}$$