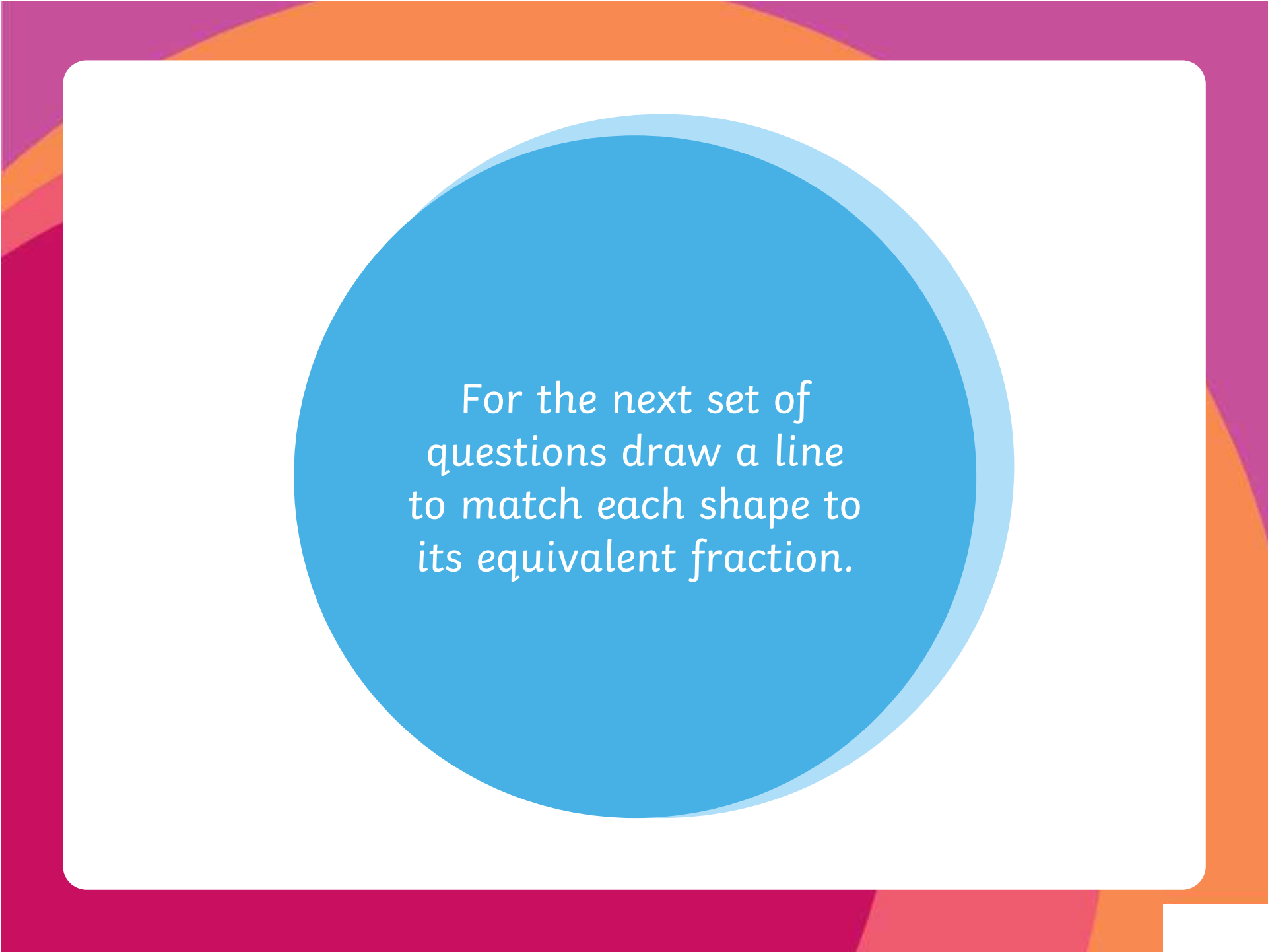




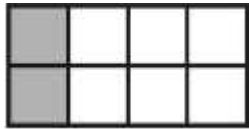
Common Equivalent Fractions

KS2 Maths Practice Reasoning

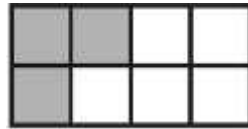


For the next set of questions draw a line to match each shape to its equivalent fraction.

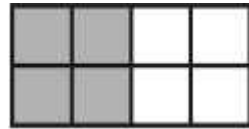
1



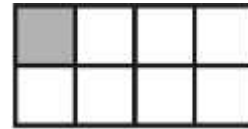
$$\frac{3}{4}$$



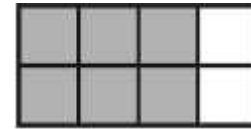
$$\frac{1}{4}$$



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

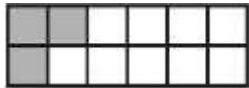


$$\frac{1}{2}$$



$$\frac{1}{8}$$

2



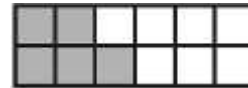
$$\frac{3}{4}$$



$$\frac{5}{12}$$



$$\frac{1}{4}$$



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

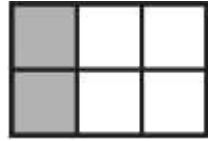


$$\frac{2}{3}$$

3



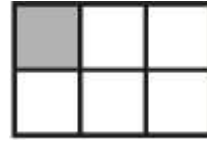
$$\frac{2}{3}$$



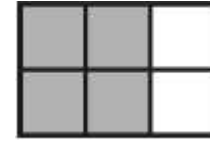
$$\frac{5}{6}$$



$$\frac{1}{6}$$



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

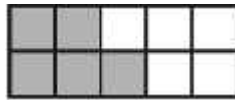


$$\frac{1}{2}$$

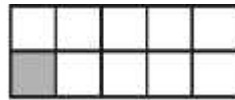
4



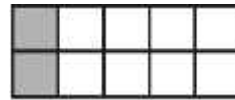
$$\frac{1}{2}$$



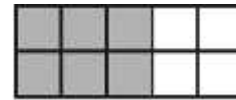
$$\frac{3}{5}$$



$$\frac{9}{10}$$

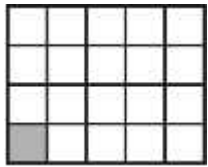


$$\frac{1}{5}$$

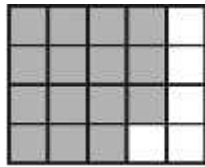


$$\frac{1}{10}$$

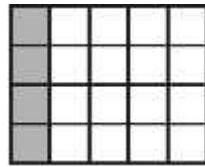
5



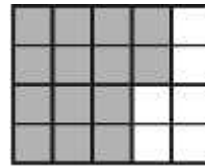
$$\frac{1}{5}$$



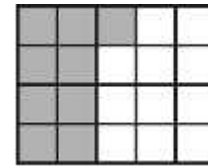
$$\frac{1}{20}$$



$$\frac{3}{4}$$



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



$$\frac{9}{20}$$

For each set of shapes
made of squares, write
the numerator for each
equivalent fraction.

6

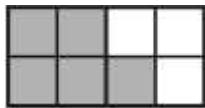
$\frac{\quad}{4}$



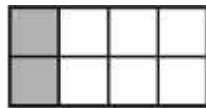
$\frac{\quad}{8}$



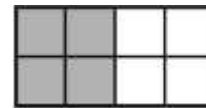
$\frac{\quad}{8}$



$\frac{\quad}{4}$

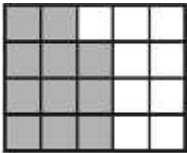


$\frac{\quad}{2}$

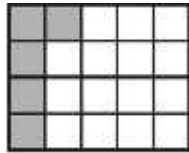


7

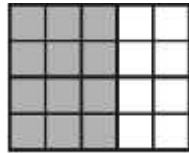
$\overline{20}$



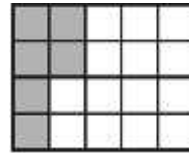
$\overline{4}$



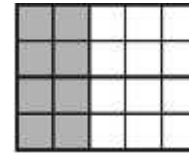
$\overline{5}$



$\overline{10}$



$\overline{5}$

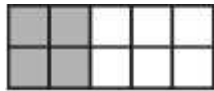


8

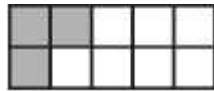
$\overline{10}$



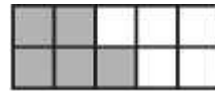
$\overline{5}$



$\overline{10}$



$\overline{2}$

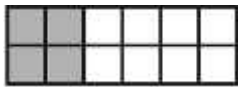


$\overline{5}$

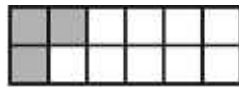


9

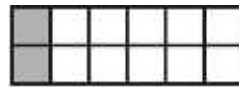
$\overline{3}$



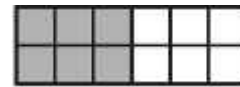
$\overline{4}$



$\overline{6}$



$\overline{2}$



$\overline{6}$

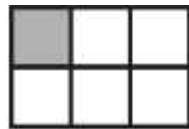


10

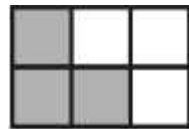
$\overline{3}$



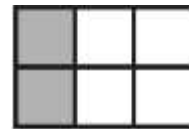
$\overline{6}$



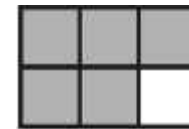
$\overline{2}$



$\overline{3}$



$\overline{6}$



Using the following pairs of shapes that are each divided into equal parts, show and write 2 equivalent fractions.

11

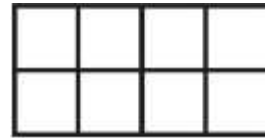
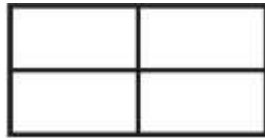


$$\frac{\quad}{2}$$



$$\frac{\quad}{4}$$

12



$$\frac{\quad}{4}$$

$$\frac{\quad}{8}$$

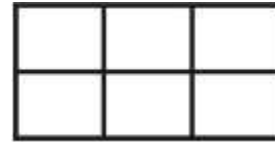
13



$\overline{\quad}$
5

$\overline{\quad}$
10

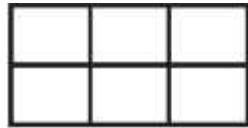
14



$\overline{\quad}$
3

$\overline{\quad}$
6

15



$\overline{6}$

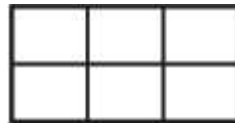


$\overline{12}$

16



$$\frac{\quad}{2}$$



$$\frac{\quad}{6}$$

17

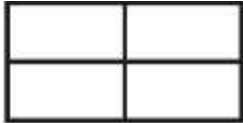


$\frac{\quad}{6}$



$\frac{\quad}{9}$

18



$\overline{4}$

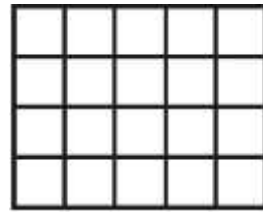


$\overline{12}$

19



$\overline{5}$

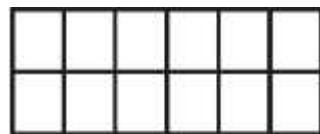


$\overline{20}$

20



$$\overline{3}$$



$$\overline{12}$$

Complete
the following to
show equivalent
fractions:

21

$$\frac{1}{2} = \frac{\quad}{8}$$

$$\frac{1}{6} = \frac{2}{\quad}$$

22

$$\frac{2}{3} = \frac{\quad}{12}$$

$$\frac{1}{4} = \frac{3}{\quad}$$

23

$$\frac{3}{4} = \frac{\quad}{8}$$

$$\frac{5}{8} = \frac{10}{\quad}$$

24

$$\frac{5}{6} = \frac{\quad}{12}$$

$$\frac{1}{3} = \frac{3}{\quad}$$

25

$$\frac{1}{4} = \frac{\quad}{16}$$

$$\frac{4}{5} = \frac{12}{\quad}$$

26

$$\frac{2}{5} = \frac{\quad}{10}$$

$$\frac{3}{10} = \frac{9}{\quad}$$

27

$$\frac{1}{3} = \frac{\quad}{6}$$

$$\frac{1}{8} = \frac{3}{\quad}$$

28

$$\frac{7}{8} = \frac{\quad}{16}$$

$$\frac{3}{4} = \frac{9}{\quad}$$

29

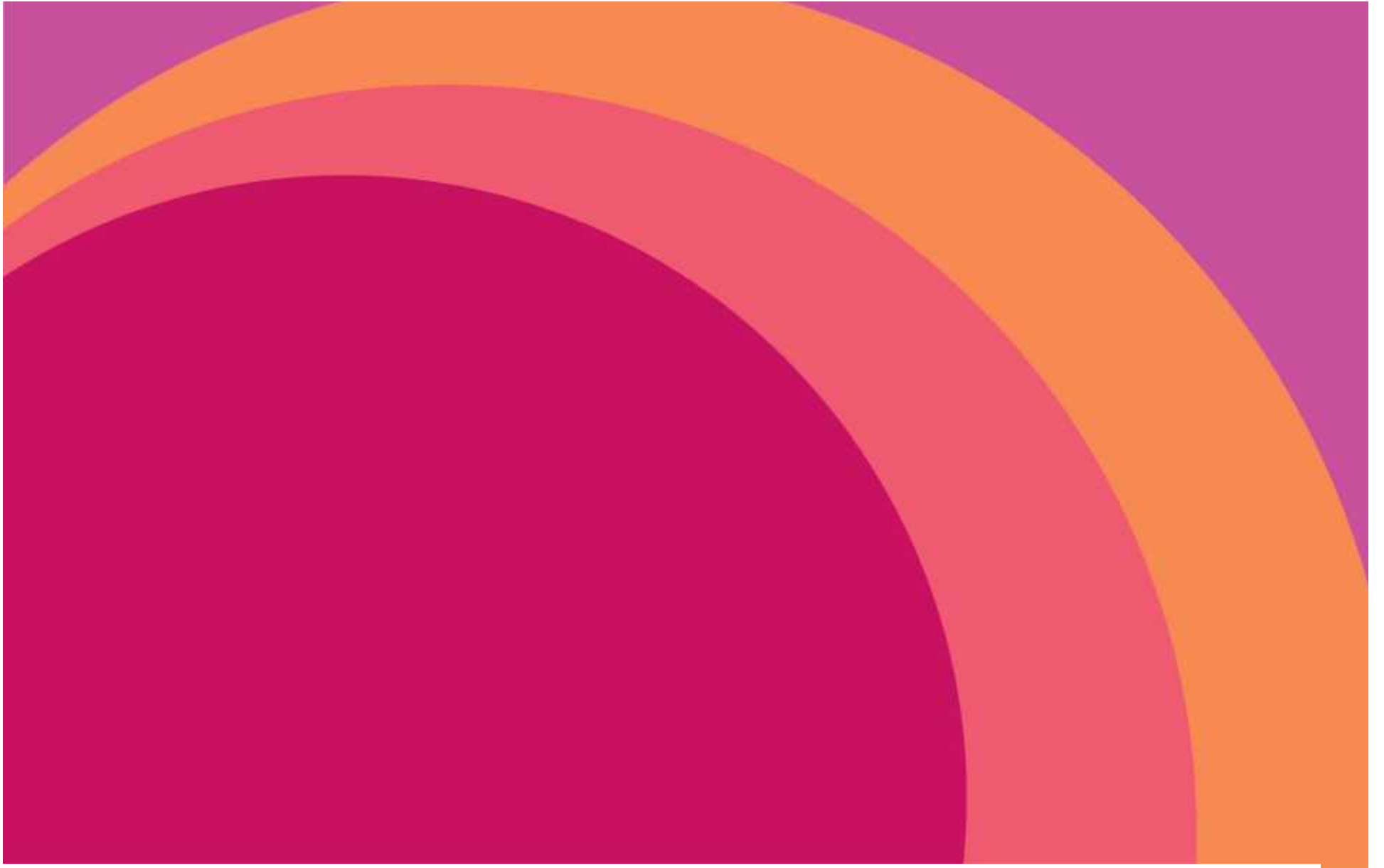
$$\frac{4}{6} = \frac{\quad}{3}$$

$$\frac{8}{10} = \frac{4}{\quad}$$

30

$$\frac{2}{8} = \frac{\quad}{4}$$

$$\frac{9}{18} = \frac{1}{\quad}$$

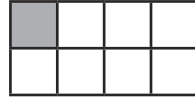
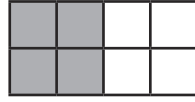
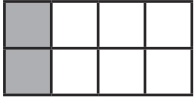


Name: Date:

Key Stage 2 Maths Practice Reasoning: Common Equivalent Fractions

For each set of shapes made of squares, match the shape to its equivalent fraction.

1.



$\frac{3}{4}$

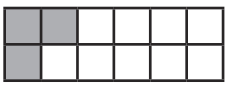
$\frac{1}{4}$

$\frac{3}{8}$

$\frac{1}{2}$

$\frac{1}{8}$

2.



$\frac{3}{4}$

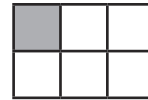
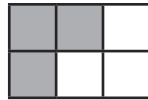
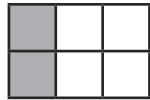
$\frac{5}{12}$

$\frac{1}{4}$

$\frac{1}{2}$

$\frac{2}{3}$

3.



$\frac{2}{3}$

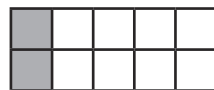
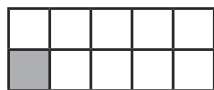
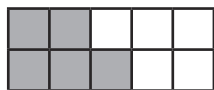
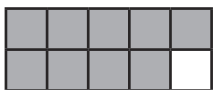
$\frac{5}{6}$

$\frac{1}{6}$

$\frac{1}{3}$

$\frac{1}{2}$

4.



$\frac{1}{2}$

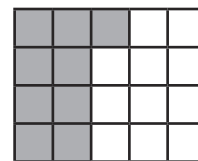
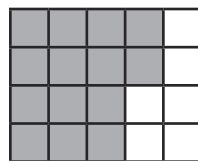
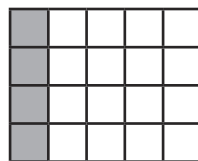
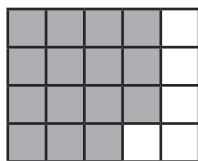
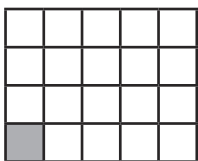
$\frac{3}{5}$

$\frac{9}{10}$

$\frac{1}{5}$

$\frac{1}{10}$

5.



$\frac{1}{5}$

$\frac{1}{20}$

$\frac{3}{4}$

$\frac{7}{10}$

$\frac{9}{20}$

For each set of shapes made of squares, write the numerator for each equivalent fraction.

6.

$\frac{\quad}{4}$



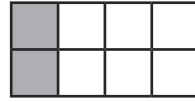
$\frac{\quad}{8}$



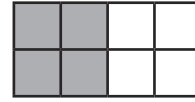
$\frac{\quad}{8}$



$\frac{\quad}{4}$

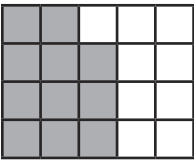


$\frac{\quad}{2}$

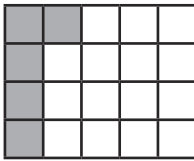


7.

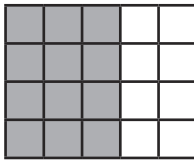
$\frac{\quad}{20}$



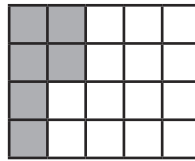
$\frac{\quad}{4}$



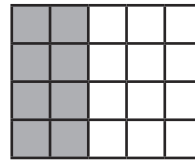
$\frac{\quad}{5}$



$\frac{\quad}{10}$



$\frac{\quad}{5}$

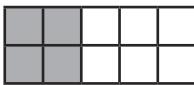


8.

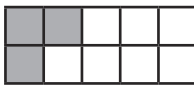
$\frac{\quad}{10}$



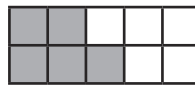
$\frac{\quad}{5}$



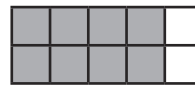
$\frac{\quad}{10}$



$\frac{\quad}{2}$



$\frac{\quad}{5}$



9.

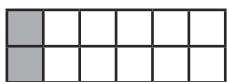
$\frac{\quad}{3}$



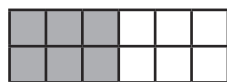
$\frac{\quad}{4}$



$\frac{\quad}{6}$



$\frac{\quad}{2}$

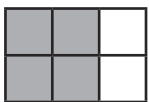


$\frac{\quad}{6}$

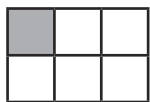


10.

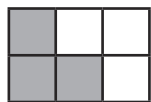
$\frac{\quad}{3}$



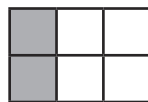
$\frac{\quad}{6}$



$\frac{\quad}{2}$



$\frac{\quad}{3}$



$\frac{\quad}{6}$

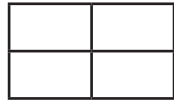


Using the following pairs of shapes that are each divided into equal parts, show and write 2 equivalent fractions.

11.

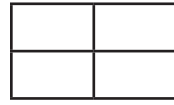


$\frac{1}{2}$



$\frac{1}{4}$

12.



$\frac{1}{4}$



$\frac{1}{8}$

13.



$\frac{1}{5}$

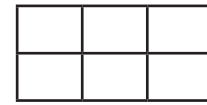


$\frac{1}{10}$

14.



$\frac{1}{3}$



$\frac{1}{6}$

15.



$\frac{1}{6}$



$\frac{1}{12}$

16.



$\frac{1}{2}$



$\frac{1}{6}$

17.



$\frac{1}{3}$



$\frac{1}{9}$

18.



$\frac{1}{4}$

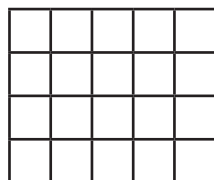


$\frac{1}{12}$

19.



$\frac{1}{5}$

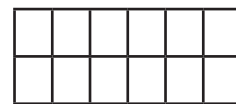


$\frac{1}{20}$

20.



$\frac{1}{3}$



$\frac{1}{12}$

Complete the following to show equivalent fractions:

21.

$$\frac{1}{2} = \frac{\quad}{8}$$

$$\frac{1}{6} = \frac{2}{\quad}$$

22.

$$\frac{2}{3} = \frac{\quad}{12}$$

$$\frac{1}{4} = \frac{3}{\quad}$$

23.

$$\frac{3}{4} = \frac{\quad}{8}$$

$$\frac{5}{8} = \frac{10}{\quad}$$

24.

$$\frac{5}{6} = \frac{\quad}{12}$$

$$\frac{1}{3} = \frac{3}{\quad}$$

25.

$$\frac{1}{4} = \frac{\quad}{16}$$

$$\frac{4}{5} = \frac{12}{\quad}$$

26.

$$\frac{2}{5} = \frac{\quad}{10}$$

$$\frac{3}{10} = \frac{9}{\quad}$$

27.

$$\frac{1}{3} = \frac{\quad}{6}$$

$$\frac{1}{8} = \frac{3}{\quad}$$

28.

$$\frac{7}{8} = \frac{\quad}{16}$$

$$\frac{3}{4} = \frac{9}{\quad}$$

29.

$$\frac{4}{6} = \frac{\quad}{3}$$


























$$\frac{8}{10} = \frac{4}{\quad}$$

30.

$$\frac{2}{8} = \frac{\quad}{4}$$

$$\frac{9}{18} = \frac{1}{\quad}$$

END OF TEST

question	answer	notes
1	$\frac{3}{4} = $  $\frac{3}{8} = $  $\frac{1}{4} = $  $\frac{1}{2} = $  $\frac{1}{8} = $ 	
2	$\frac{3}{4} = $  $\frac{3}{8} = $  $\frac{5}{12} = $  $\frac{1}{2} = $  $\frac{2}{3} = $ 	
3	$\frac{2}{3} = $  $\frac{1}{6} = $  $\frac{5}{6} = $  $\frac{1}{3} = $  $\frac{1}{2} = $ 	
4	$\frac{1}{2} = $  $\frac{9}{10} = $  $\frac{3}{5} = $  $\frac{1}{5} = $  $\frac{1}{10} = $ 	
5	$\frac{1}{5} = $  $\frac{3}{4} = $  $\frac{1}{20} = $  $\frac{7}{10} = $  $\frac{9}{20} = $ 	
6	$\frac{3}{4}$ $\frac{7}{8}$ $\frac{5}{8}$ $\frac{1}{4}$ $\frac{1}{2}$	
7	$\frac{11}{20}$ $\frac{1}{4}$ $\frac{3}{5}$ $\frac{3}{10}$ $\frac{2}{5}$	
8	$\frac{7}{10}$ $\frac{2}{5}$ $\frac{3}{10}$ $\frac{1}{2}$ $\frac{4}{5}$	
9	$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{2}$ $\frac{5}{6}$	

question	answer	notes
10	$\frac{2}{3}$ $\frac{1}{6}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{5}{6}$	
11 - 20	Accept any plausible answers.	
21	$\frac{1}{2} = \frac{4}{8}$ $\frac{1}{6} = \frac{2}{12}$	
22	$\frac{2}{3} = \frac{8}{12}$ $\frac{1}{4} = \frac{3}{12}$	
23	$\frac{3}{4} = \frac{6}{8}$ $\frac{5}{8} = \frac{10}{16}$	
24	$\frac{5}{6} = \frac{10}{12}$ $\frac{1}{3} = \frac{3}{9}$	
25	$\frac{1}{4} = \frac{4}{16}$ $\frac{4}{5} = \frac{12}{15}$	
26	$\frac{2}{5} = \frac{4}{10}$ $\frac{3}{10} = \frac{9}{30}$	
27	$\frac{1}{3} = \frac{2}{6}$ $\frac{1}{8} = \frac{3}{24}$	
28	$\frac{7}{8} = \frac{14}{16}$ $\frac{3}{4} = \frac{9}{12}$	
29	$\frac{4}{6} = \frac{2}{3}$ $\frac{8}{10} = \frac{4}{5}$	
30	$\frac{2}{8} = \frac{1}{4}$ $\frac{9}{18} = \frac{1}{2}$	