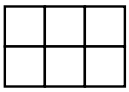
NUMBER: FRACTIONS & DECIMALS

Best Guess Mastery Worksheet (Target Grade 2/3)

I Do

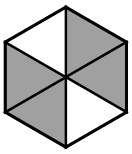
(a) The diagram shows a rectangle divided into 6 equal squares.



Shade $\frac{1}{3}$ of the rectangle.

(1)

(b) Here is a regular hexagon divided into triangles.



What fraction of the hexagon is shaded?
Give your fraction in its simplest form.

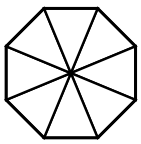
..... **(2)**

(c) Write 0.7 as a fraction.

..... **(1)**

We Do

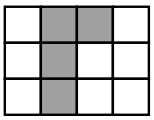
(a) The diagram shows a regular octagon divided into 8 equal triangles.



Shade $\frac{3}{4}$ of the octagon.

(1)

(b) Here is a rectangle divided into equal squares.



What fraction of the rectangle is shaded?
Give your fraction in its simplest form.

..... **(2)**

(c) Write 0.31 as a fraction.

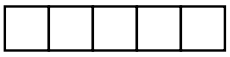
..... **(1)**

NUMBER: FRACTIONS & DECIMALS

Best Guess Mastery Worksheet (Target Grade 2/3)

You Do 1

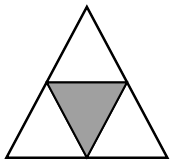
(a) The diagram shows a rectangle divided into 5 equal squares.



Shade $\frac{2}{5}$ of the rectangle.

(1)

(b) Here is a triangle divided into smaller identical triangles.



What fraction of the large triangle is shaded?

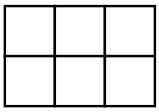
..... **(1)**

(c) Write 0.03 as a fraction.

..... **(1)**

You Do 2

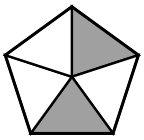
(a) The diagram shows a rectangle divided into equal squares.



Shade $\frac{5}{6}$ of the grid.

(1)

(b) Here is a regular pentagon divided into 5 equal triangles.



What fraction of the pentagon is shaded?

..... **(1)**

(c) Write 0.17 as a fraction.

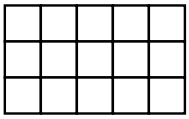
..... **(1)**

NUMBER: FRACTIONS & DECIMALS

Best Guess Mastery Worksheet (Target Grade 3/4)

Challenge 1

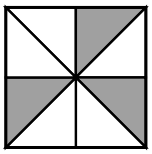
(a) The diagram shows a rectangle divided into 15 equal squares.



Shade $\frac{3}{5}$ of the rectangle.

(1)

(b) Here is a square divided into 8 equal triangles.



What fraction of the square is shaded?

..... **(1)**

(c) Write 0.45 as a fraction in its simplest form.

..... **(2)**

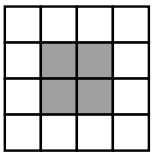
Challenge 2

(a) A shape is divided into equal parts.
4 parts are shaded and 12 parts are unshaded.

What fraction of the whole shape is shaded?
Give your answer in its simplest form.

..... **(2)**

(b) The diagram shows a 4 by 4 square grid.
The middle 4 squares are shaded.



What fraction of the large square is shaded?
Give your answer in its simplest form.

..... **(2)**

(c) Write 0.08 as a fraction in its simplest form.

..... **(2)**

Answers & Worked Solutions

I Do:

(a) $\frac{1}{3}$ of 6 squares = 2 squares.

(Any 2 squares shaded).

(b) 4 out of 6 parts are shaded.

$\frac{4}{6}$ simplifies to $\mathbf{\frac{2}{3}}$.

(c) 0.7 = $\mathbf{\frac{7}{10}}$

We Do:

(a) $\frac{3}{4}$ of 8 sectors = 6 sectors.

(Any 6 sectors shaded).

(b) 4 out of 12 parts are shaded.

$\frac{4}{12}$ simplifies to $\mathbf{\frac{1}{3}}$.

(c) 0.31 = $\mathbf{\frac{31}{100}}$

You Do 1:

(a) $\frac{2}{5}$ of 5 squares = 2 squares.

(Any 2 squares shaded).

(b) 1 out of 4 triangles shaded.

Answer: $\mathbf{\frac{1}{4}}$.

(c) 0.03 = $\mathbf{\frac{3}{100}}$

You Do 2:

(a) $\frac{5}{6}$ of 6 squares = 5 squares.

(Any 5 squares shaded).

(b) 2 out of 5 triangles shaded.

Answer: $\mathbf{\frac{2}{5}}$.

(c) 0.17 = $\mathbf{\frac{17}{100}}$

Challenge 1:

(a) $\frac{3}{5}$ of 15 squares = 9 squares.

(Any 9 squares shaded).

(b) 3 out of 8 parts shaded.

Answer: $\mathbf{\frac{3}{8}}$.

(c) 0.45 = $\frac{45}{100}$. Divide by 5 = $\mathbf{\frac{9}{20}}$

Challenge 2:

(a) Total parts = 4 + 12 = 16.

Fraction shaded = $\frac{4}{16}$. Simplifies to $\mathbf{\frac{1}{4}}$.

(b) Total parts = 16. Shaded = 4.

$\frac{4}{16}$ simplifies to $\mathbf{\frac{1}{4}}$.

(c) 0.08 = $\frac{8}{100}$. Divide by 4 = $\mathbf{\frac{2}{25}}$