

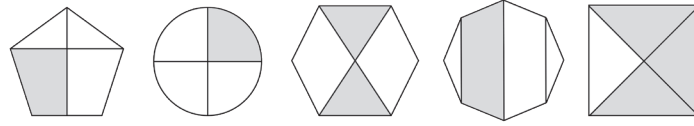
GCSE Revision: Fractions



GCSE Tier: Foundation

Target Grade: 1-3

1) Which shape is exactly $\frac{1}{4}$ shaded?



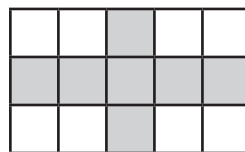
2) What fraction of this shape is shaded?



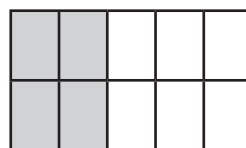
3) Shade in $\frac{1}{2}$ of these shapes.



4) What fraction of this diagram is shaded?



5) What fraction of this shape is shaded?



GCSE Revision: Fractions



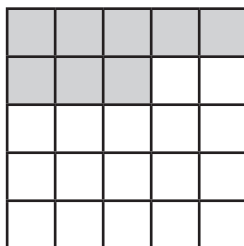
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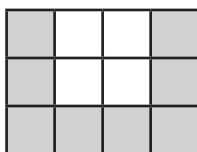
6) Shade $\frac{1}{3}$ of the rectangle below.



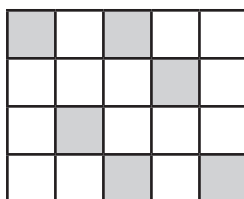
7) What fraction of the rectangle below is shaded?
Give your answer in its simplest form.



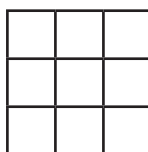
8) What fraction of this diagram is shaded?
Give your answer in its lowest terms.



9) What fraction of the diagram is shaded?
Give your answer in its lowest terms.



10) Shade $\frac{2}{3}$ of this diagram.



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11) Which of the following fractions are equal to $\frac{2}{3}$?

$$\frac{6}{10} \quad \frac{4}{6} \quad \frac{10}{15} \quad \frac{4}{9} \quad \frac{3}{2}$$

12) Which of the following fractions are equal to $\frac{2}{7}$?

$$\frac{4}{14} \quad \frac{9}{35} \quad \frac{6}{20} \quad \frac{12}{42} \quad \frac{8}{28}$$

13) Use your calculator to change the following fraction into an exact decimal.

$$\frac{3}{16}$$

14) Put a ring round the fractions which are equivalent to $\frac{1}{5}$.

$$\frac{2}{10} \quad \frac{2}{6} \quad \frac{11}{15} \quad \frac{4}{20} \quad \frac{12}{52}$$

15) From the list of fractions below, choose the fraction that is nearest to 0.5.
Show clear working to support your answer.

$$\frac{3}{7} \quad \frac{5}{9} \quad \frac{2}{5} \quad \frac{6}{11}$$

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16) Dan thinks that $\frac{50}{10}$ is equivalent to $\frac{1}{5}$. Explain how you know that he is wrong.

17) Put a ring round any of the following fractions which are equal to $\frac{1}{3}$.

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

$$\frac{2}{6}$$

$$\frac{6}{12}$$

$$\frac{10}{30}$$

18) Charlie was asked to write down 5 fractions that were equivalent to $\frac{3}{4}$.
Here are his fractions.

$$\frac{30}{40}$$

$$\frac{13}{14}$$

$$\frac{9}{12}$$

$$\frac{6}{8}$$

$$\frac{39}{49}$$

Put a tick under those he got right.
Put a cross under those he got wrong.

19) Put the correct numbers in the boxes on a copy of this number line.
Choose from this list.

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

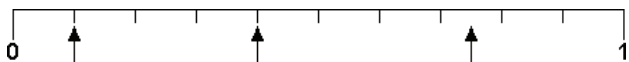
$$\frac{2}{10}$$

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

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

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

$$\frac{8}{10}$$



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20) A Twix bar weighs 58 g. A quarter of the weight is fat.
How much of the weight is fat ?

21) Lizzie earns £60 per week. She spends $\frac{3}{4}$ of this on clothes.
How much does she spend on clothes per week?

22) There are 60 people on a coach. $\frac{1}{5}$ of them are children.
Work out $\frac{1}{5}$ of 60.

23) Susie has 200 CDs . Work out $\frac{1}{8}$ of 200.

24) This is a drawing of a Saturn V rocket. The first stage holds 2121 tonnes of fuel.
One third of this is kerosene. Work out $\frac{1}{3}$ of 2121 tonnes.



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- 25) A group of friends played a computer game.
Here are the scores of some of them.

| | |
|-------|------|
| Jan | 4093 |
| Pete | 2605 |
| Will | 6582 |
| Deena | 4630 |

Dewi scored only $\frac{2}{3}$ as many points as Will.
How many points did Dewi score?

-
- 26) A farmer has 45 sheep . $\frac{2}{5}$ of them are black.
He sells the black sheep for £50 each.
How much does he receive?

-
- 27) Ben is given £85 for his birthday. He saves $\frac{2}{5}$ of it.
How much does he save?

-
- 28) Work out $\frac{5}{6}$ of 12 .