

Fractions, decimals and percentages: Answers

What is a fraction?

Question 1

1a $\frac{8}{9}$

1b $\frac{3}{8}$

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

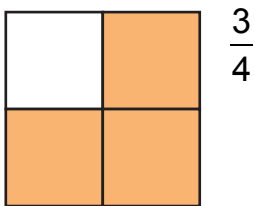
1d $\frac{3}{7}$

1e $\frac{3}{16}$

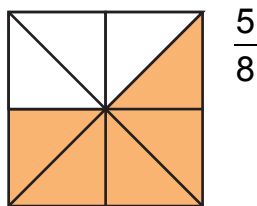
1f $\frac{7}{8}$

Question 2

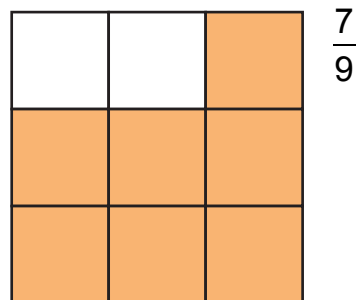
1a



1b



1c



Question 3

3a $\frac{1}{2}$ of 12 = 6

3b $\frac{1}{4}$ of 8 = 2

3c $\frac{1}{5}$ of 15 = 3

3d $\frac{1}{3}$ of 12 = 4

3e $\frac{1}{5}$ of 30 = 6

3f $\frac{1}{4}$ of 40 = 10

Question 4

4a $\frac{3}{4}$ of 24 = 18

4b $\frac{4}{5}$ of 20 = 16

4c $\frac{3}{7}$ of 14 = 6

4d $\frac{2}{9}$ of 18 = 4

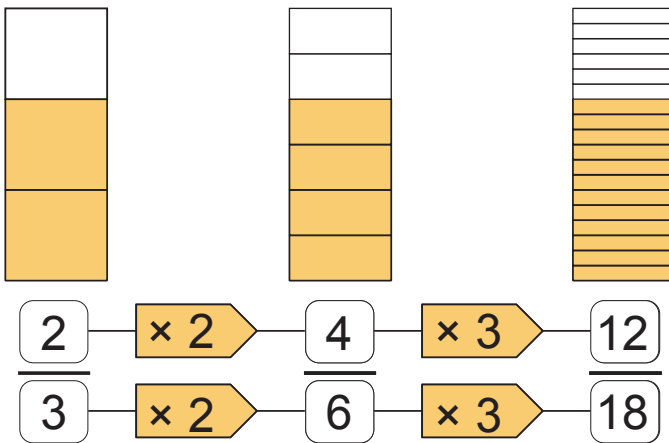
4e $\frac{5}{6}$ of 30 = 25

4f $\frac{4}{7}$ of 28 = 16

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What is a fraction?

Question 5



Question 6

$$\frac{3}{5} = \frac{6}{10} = \frac{12}{20}$$

Question 7

7a $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12} = \frac{7}{14} = \frac{8}{16}$

7b $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15}$

7c $\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16}$

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Question 8

$$8a \quad \frac{3}{4} = \frac{6}{8}$$

$$8b \quad \frac{2}{5} = \frac{4}{10}$$

$$8c \quad \frac{5}{7} = \frac{10}{14}$$

$$8d \quad \frac{3}{4} = \frac{9}{12}$$

$$8e \quad \frac{2}{5} = \frac{6}{15}$$

$$8f \quad \frac{2}{3} = \frac{6}{9}$$

Question 9

$$9a \quad \frac{15}{30} = \frac{1}{2}$$

$$9b \quad \frac{6}{9} = \frac{2}{3}$$

$$9c \quad \frac{9}{12} = \frac{3}{4}$$

$$9d \quad \frac{3}{12} = \frac{1}{4}$$

$$9e \quad \frac{8}{18} = \frac{4}{9}$$

$$9f \quad \frac{16}{40} = \frac{2}{5}$$

Question 10

$$10a \quad \frac{1}{2} > \frac{1}{3}$$

$$10b \quad \frac{1}{4} > \frac{1}{5}$$

$$10c \quad \frac{1}{6} > \frac{1}{7}$$

$$10d \quad \frac{1}{10} < \frac{1}{9}$$

$$10e \quad \frac{1}{2} < \frac{2}{3}$$

$$10f \quad \frac{3}{4} > \frac{2}{3}$$

Question 11

$$11a \quad \frac{1}{10} \quad \frac{1}{9} \quad \frac{1}{7} \quad \frac{1}{4} \quad \frac{1}{3}$$

$$11b \quad \frac{2}{9} \quad \frac{4}{7} \quad \frac{3}{5} \quad \frac{2}{3}$$

$$11c \quad \frac{2}{7} \quad \frac{4}{9} \quad \frac{3}{5} \quad \frac{5}{6}$$

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Question 12

12a $1\frac{1}{2}$ or $\frac{3}{2}$

12b $1\frac{3}{4}$ or $\frac{7}{4}$

12c $1\frac{1}{3}$ or $\frac{4}{3}$

12d $2\frac{1}{5}$ or $\frac{11}{5}$

Question 13

13a $\frac{9}{2} = 4\frac{1}{2}$

13b $\frac{4}{3} = 1\frac{1}{3}$

13c $\frac{5}{3} = 1\frac{2}{3}$

13d $\frac{12}{5} = 2\frac{2}{5}$

13e $\frac{18}{5} = 3\frac{3}{5}$

13f $\frac{9}{7} = 1\frac{2}{7}$

Question 14

14a $1\frac{3}{5} = \frac{8}{5}$

14b $4\frac{1}{2} = \frac{9}{2}$

14c $2\frac{1}{4} = \frac{9}{4}$

14d $6\frac{1}{2} = \frac{13}{2}$

14e $7\frac{1}{3} = \frac{22}{3}$

14f $5\frac{2}{3} = \frac{17}{3}$

Question 15

$3\frac{1}{4}$ $3\frac{3}{5}$ $5\frac{1}{3}$ $5\frac{2}{3}$ $6\frac{1}{2}$