Year 4 Mathematics Homework – Fractions

Tick your answer to each question, like in the example below. You can use any space left below or around a question for your working out, if you need it.

Example Question

1,435 + 2,870 =

- a ☐ 3,205
- b ☑ 4,305
- c ☐ 3,295
- d ☐ 5,110

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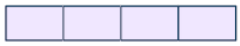
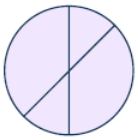
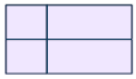
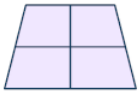
1 Which shape has been divided into equal parts?

- a ☐ 
- b ☐ 
- c ☐ 
- d ☐ 

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2 Convert this improper fraction to a mixed number.

$\frac{46}{7}$

- a ☐ $4\frac{6}{7}$
- b ☐ $6\frac{1}{7}$
- c ☐ 6
- d ☐ $6\frac{4}{7}$

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3 $5\frac{2}{7} = \ldots\ldots + \frac{2}{7}$

- a ☐ $\frac{2}{7}$
- b ☐ $\frac{5}{7}$
- c ☐ 2
- d ☐ 5

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4 Which of the following mixed numbers is the greatest?

- a ☐ $2\frac{3}{10}$
- b ☐ $2\frac{9}{10}$
- c ☐ $3\frac{1}{10}$
- d ☐ $1\frac{4}{10}$

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5 $2 - \frac{1}{4} =$

- a ☐ $1\frac{3}{4}$
- b ☐ $\frac{3}{4}$
- c ☐ $2\frac{3}{4}$
- d ☐ $2\frac{1}{4}$

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6 Which number is missing from the number tracks?

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

- a ☐ $\frac{4}{5}$
- b ☐ $\frac{5}{5}$ or 1
- c ☐ $1\frac{1}{5}$
- d ☐ $\frac{4}{6}$

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7 $4 - \frac{5}{8} =$

- a ☐ $3\frac{3}{8}$
- b ☐ $3\frac{2}{8}$
- c ☐ $\frac{3}{8}$
- d ☐ $4\frac{5}{8}$

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8 $\frac{20}{4} = \ldots\ldots\ldots$ wholes

- a ☐ 20
- b ☐ 4
- c ☐ 5
- d ☐ 16

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9 $1\frac{5}{9} + \frac{5}{9} =$

- a ☐ $1\frac{10}{9}$
- b ☐ $2\frac{1}{9}$
- c ☐ $\frac{10}{9}$ or $1\frac{1}{9}$
- d ☐ $2\frac{1}{18}$

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10 Convert this mixed number to an improper fraction.

$2\frac{5}{8}$

- a ☐ $\frac{21}{8}$
- b ☐ $\frac{7}{8}$
- c ☐ $\frac{16}{8}$
- d ☐ $\frac{15}{8}$

11 $2\frac{3}{5} + \frac{1}{5} =$

a ☐ $2\frac{1}{5}$

b ☐ $\frac{4}{5}$

c ☐ $2\frac{4}{5}$

d ☐ $2\frac{4}{10}$

12 Place the mixed numbers in ascending order.
$1\frac{2}{9}, 2\frac{3}{9}, 1\frac{4}{9}, 3\frac{1}{9}$

a ☐ $3\frac{1}{9}, 1\frac{2}{9}, 2\frac{3}{9}, 1\frac{4}{9}$

b ☐ $1\frac{2}{9}, 1\frac{4}{9}, 2\frac{3}{9}, 3\frac{1}{9}$

c ☐ $1\frac{4}{9}, 1\frac{2}{9}, 2\frac{3}{9}, 3\frac{1}{9}$

d ☐ $3\frac{1}{9}, 2\frac{3}{9}, 1\frac{4}{9}, 1\frac{2}{9}$

13 $6\frac{4}{7} - \frac{1}{7} =$

a ☐ $\frac{3}{7}$

b ☐ $6\frac{5}{7}$

c ☐ $6\frac{1}{7}$

d ☐ $6\frac{3}{7}$

14 Which fraction is equivalent to $\frac{1}{4}$?

a ☐ $\frac{2}{5}$ 

b ☐ $\frac{2}{16}$ 

c ☐ $\frac{1}{3}$ 

d ☐ $\frac{2}{8}$ 

15 $\frac{6}{10} - \frac{3}{10} =$

a ☐ $\frac{9}{10}$

b ☐ $\frac{3}{0}$

c ☐ $\frac{4}{10}$

d ☐ $\frac{3}{10}$

16 $\frac{5}{12} - \frac{4}{12} =$

a ☐ $\frac{9}{12}$

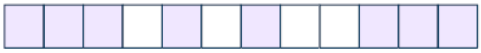
b ☐ $\frac{1}{10}$

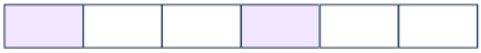
c ☐ $\frac{1}{12}$

d ☐ $\frac{1}{0}$

17 Which of these diagrams does not represent a fraction equivalent to $\frac{2}{3}$?

a ☐ 

b ☐ 

c ☐ 

d ☐ 

18 Lewis eats $\frac{3}{6}$ of a pizza, and Emily eats $\frac{2}{6}$.
What fraction of the pizza is eaten altogether?

a ☐ $\frac{1}{6}$

b ☐ $\frac{5}{12}$

c ☐ $\frac{6}{12}$

d ☐ $\frac{5}{6}$

19 $\frac{2}{7} + \frac{5}{7} + \frac{1}{7} =$

a ☐ $\frac{7}{7}$ or 1

b ☐ $\frac{6}{7}$

c ☐ $\frac{8}{7}$ or $1\frac{1}{7}$

d ☐ $\frac{8}{21}$

20 $8\frac{1}{11} - \frac{4}{11} =$

a ☐ $8\frac{3}{11}$

b ☐ $7\frac{8}{11}$

c ☐ $8\frac{5}{11}$

d ☐ $7\frac{8}{0}$