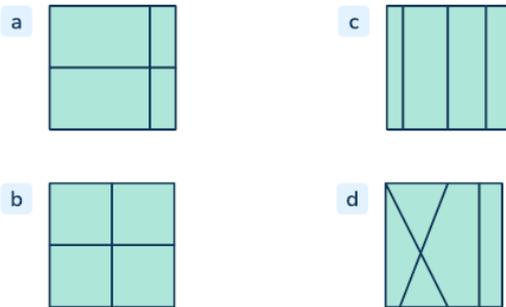# Year 3 Mathematics Homework – Fractions

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

$435 + 376$

a ☐ 701

b ☑ 811

c ☐ 821

d ☐ 141

---

1 Which shape has been divided into quarters?

a

c

b

d

2 Which fraction is not equivalent to $\frac{1}{2}$?

a $\frac{4}{8}$

b $\frac{2}{4}$

c $\frac{5}{6}$

d $\frac{3}{6}$

---

3 What fraction of the shape is shaded?

a ☐ $\frac{2}{3}$

b ☐ $\frac{2}{4}$
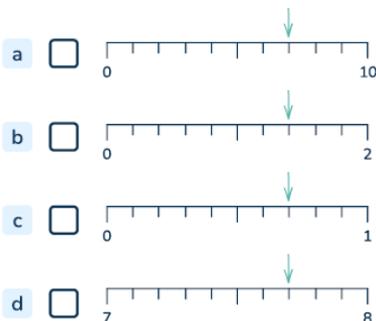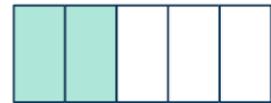
c ☐ $\frac{3}{5}$

d ☐ $\frac{2}{5}$

---

4 The jug can hold 1 litre of water.

What fraction of a litre of water is in the jug?

a ☐ 1 litre

b ☐ $\frac{1}{3}$

c ☐ $\frac{3}{4}$

d ☐ $\frac{1}{4}$

---

5 Which number line shows $\frac{7}{10}$ marked by the arrow?

a ☐

b ☐

c ☐

d ☐

6 Jimmy gave $\frac{1}{6}$ of a whole cake to his friend. What fraction of the cake is left?
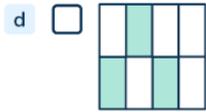
a ☐ $\frac{1}{5}$

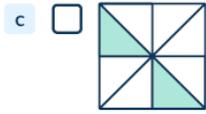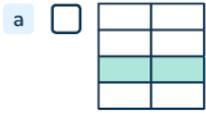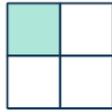b ☐ $\frac{5}{6}$

c ☐ $\frac{6}{6}$

d ☐ $\frac{7}{6}$

---

7 Put the fractions in descending order (from the biggest to the smallest): $\frac{3}{8}, \frac{7}{8}, \frac{2}{8}, \frac{5}{8}$

a ☐ $\frac{2}{8}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}$

b ☐ $\frac{3}{8}, \frac{2}{8}, \frac{7}{8}, \frac{5}{8}$

c ☐ $\frac{7}{8}, \frac{5}{8}, \frac{3}{8}, \frac{2}{8}$

d ☐ $\frac{5}{8}, \frac{3}{8}, \frac{2}{8}, \frac{7}{8}$

---

8 Write these fractions in ascending order (smallest to the biggest): $\frac{1}{4}, \frac{1}{2}, \frac{1}{5}, \frac{1}{7}$

a ☐ $\frac{1}{7}, \frac{1}{5}, \frac{1}{4}, \frac{1}{2}$

b ☐ $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{1}{7}$

c ☐ $\frac{1}{2}, \frac{1}{5}, \frac{1}{7}, \frac{1}{4}$

d ☐ $\frac{1}{7}, \frac{1}{4}, \frac{1}{2}, \frac{1}{5}$

9 Which fraction is not equivalent to the shaded part of this shape?

a ☐

c ☐

b ☐

d ☐

---

10 Find $\frac{3}{4}$ of 12

a ☐ $\frac{36}{48}$

b ☐ 9

c ☐ 16

d ☐ 8

---

11 $\frac{3}{7} + \frac{2}{7} =$

a ☐ $\frac{1}{7}$

b ☐ $\frac{5}{14}$

c ☐ $\frac{5}{7}$

d ☐ $\frac{10}{9}$

---

12 Jacob and Sarah ate $\frac{1}{7}$ of the cake each.
Ken ate $\frac{3}{7}$ of the same cake.
What fraction of the cake did Jacob, Sarah and Ken eat altogether?

a ☐ $\frac{5}{7}$

b ☐ $\frac{2}{7}$

c ☐ $\frac{4}{7}$

d ☐ $\frac{5}{21}$

---

13 $\frac{5}{6} - \frac{1}{6} =$

a ☐ $\frac{4}{12}$

b ☐ $\frac{4}{0}$

c ☐ $\frac{6}{6}$

d ☐ $\frac{4}{6}$

---

14 Find $\frac{1}{5}$ of 35.

a ☐ 40

b ☐ 7

c ☐ 36

d ☐ 5

---

15 Lauren has 20 sweets.
Kim has 24 sweets.
They each give $\frac{1}{4}$ of their sweets to Steph.
How many sweets does Steph have?

a ☐ 5

b ☐ 11

c ☐ 6

d ☐ 8