Year 3

Fractions and Scales

1) What fraction of a metre long are the following items? Label the scales to help.
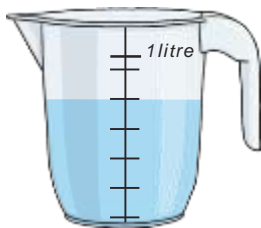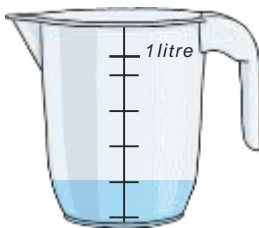
a)

1m

[ ] m

b)

1m

[ ] m

c)

1m

[ ] m

2) What fraction of a litre full are the measuring jugs? Label the scales to help.
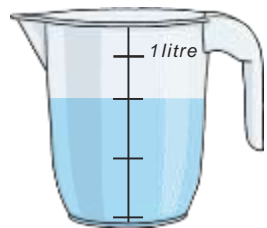
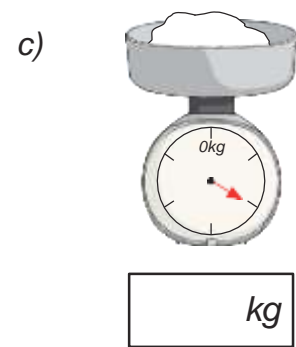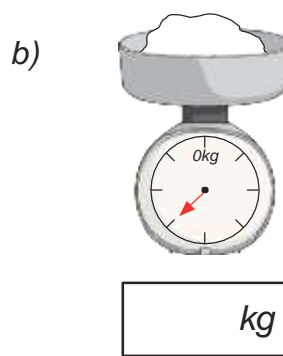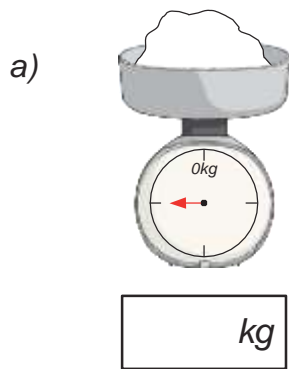a)

1 litre

[ ] l

b)

1 litre

[ ] l

c)

1 litre

[ ] l

3) You don't need to measure the liquid amounts, you can just see that the second container has more than the first. Do you agree with this statement? Explain your answer.

1 litre

1 litre

_____

_____

_____

4) *What fraction of a kilogram do the following amounts weigh? Label the scale to help.*
   Each scale weighs up to 1kg.

a)

0kg

kg

b)

0kg

kg

c)

0kg

kg

5) *Box A is heavier than box B. Circle the possible mass that box B could be.*

0kg

0kg

$\dfrac{5}{6}$
$\dfrac{1}{2}$
$\dfrac{3}{4}$
$\dfrac{1}{8}$
$\dfrac{3}{8}$

Year 4

Converting Fractions

To solve calculations converting between mixed numbers and improper fractions.

1) Express these mixed numbers as improper fractions.

a) $1\frac{3}{4}$ = _____

b) $3\frac{1}{3}$ = _____

c) $2\frac{4}{5}$ = _____

2) Express these improper fractions as mixed numbers.

a) $\frac{11}{4}$ = _____

b) $\frac{9}{5}$ = _____

c) $\frac{10}{3}$ = _____

3) Will baked 8 fairy cakes. Each cake weighed $\frac{1}{5}$ kg. How much did the cakes weigh overall? Express your answer as a mixed number.

_____

4) Katie needs $4\frac{1}{2}$ litres of paint to paint her bedroom. Each can of paint holds $\frac{1}{2}$ l. How many cans of paint does she need?

_____