

Assessment

Topic Assessment **6b**
Fractions

Name:

1 $\frac{1}{7}$ of 56 = **8** $\frac{1}{8}$ of 72 = **9** one ninth of 81 = **9**
 $\frac{1}{6}$ of 30 = **5** $\frac{1}{9}$ of 63 = **7** one seventh of 35 = **5**

2 $\frac{4}{5}$ of 15 = **12** $\frac{8}{10}$ of 50 = **40** three fifths of 30 = **18**
 $\frac{2}{3}$ of 24 = **16** $\frac{7}{10}$ of 800 = **560** three quarters of 1000 = **750**

3 $\frac{6}{10}$ m → **60** cm £ $\frac{2}{10}$ → **20** p 400g → $\frac{4}{10}$ kg

4 Each large square contains 100 small squares.
 Colour: fifteen hundredths $\frac{15}{100}$

5 Find one hundredth of
 300 → **3** 7000 → **70** 4500 → **45**

6 52 cm → $\frac{52}{100}$ m 37 p → £ $\frac{37}{100}$ $\frac{1}{100}$ £ → **10** ml

Topic Assessment **7a**
Decimals

Name:

1 Write the value of the digit in each box.
 83.6 **3** units 26.9 **9** tenths

2 Write in order. Start with the smallest number.
 4.5 5.4 4.0 4.4 **4.0** **4.4** **4.5** **5.4**

3 Round to the nearest whole number.
 8.3 **8** 5.6 **6** 29.8 **30** 36.5 **37**

4 $0.4 + 0.3 = \underline{0.7}$ $0.7 + 0.5 = \underline{1.2}$ $3.8 + 0.2 = \underline{4.0}$
 $5.2 + 6.4 = \underline{11.6}$ $7.9 + 2.6 = \underline{10.5}$ $5.4 + 7.8 = \underline{13.2}$

5 Double. $0.7 \rightarrow \underline{1.4}$ $3.5 \rightarrow \underline{7.0}$ $6.8 \rightarrow \underline{13.6}$

6 $9.5 - 3.2 = \underline{6.3}$ $8.1 - 4.6 = \underline{3.5}$ $5.4 - 4.7 = \underline{0.7}$
 $15.3 - 7.6 = \underline{7.7}$ $16.4 - 11.7 = \underline{4.7}$ $20.3 - 14.4 = \underline{5.9}$

7 $43.8 + 37.6 = \underline{81.4}$ **8** $83.5 - 36.7 = \underline{46.8}$

9 $2 \times 0.3 = \underline{0.6}$ $3 \times 0.7 = \underline{2.1}$ $4 \times 3.2 = \underline{12.8}$
 $6 \times 5.7 = \underline{34.2}$ $7 \times 4.8 = \underline{33.6}$ $9 \times 10 = \underline{93}$

Topic Assessment **7b**
Decimals

Name:

1 Write as a decimal fraction.
 $\frac{79}{100}$ **0.79** $\frac{1115}{100}$ **11.15** $\frac{31}{100}$ **3.01**
 fifty-six hundredths **0.56** four tenths and two hundredths **0.42**

2 **12.47** **21.64** **3.03** **37.16** **20.51**
 Write the number which has
 one tenth **37.16** three hundredths **3.03**
 zero tenths **3.03** the largest hundredths digit **12.47**

3 Write in order. Start with the **smallest** number.
6.34 **4.36** **6.43** **4.63**
4.36 **4.63** **6.34** **6.43**

4 $0.53 + 0.24 = \underline{0.77}$ $0.57 + 0.36 = \underline{0.93}$ $0.52 + 0.39 = \underline{0.91}$
 $0.94 - 0.25 = \underline{0.69}$ $0.71 - 0.17 = \underline{0.54}$ $0.80 - 0.46 = \underline{0.34}$

5 Find the total amount of money in each pair of jars.
£8.92 **£8.01**

Topic Assessment **8**
Percentages

Name:

1
 What percentage of the rectangle is
 shaded **32%** not dotted **82%** shaded and dotted? **50%**

2 Write as a percentage.
 0.34 **34%** 0.05 **5%** 0.60 **60%**
 $\frac{7}{100}$ **7%** $\frac{86}{100}$ **86%** $\frac{1}{100}$ **1%**

3 Write in **two** other ways.
 45% $\frac{45}{100}$ **0.45** 0.73 $\frac{73}{100}$ **18%** $\frac{18}{100}$ **0.18**
 9% $\frac{9}{100}$ **0.09** 0.20 $\frac{20}{100}$ **1%** $\frac{1}{100}$ **0.01**

4 Write the percentage of each dog food which is **not** chicken.
72% **67%**

5 What percentage of the goldfish are **not**
 Fantails **85%**
 Lionheads **58%**
 Fantails or Lionheads? **43%**