

REMAINDERS AS FRACTIONS AND DECIMALS

**TARGET** To express a remainder as a fraction and as a decimal.

**Examples**  
 REMAINDERS AS FRACTIONS  
 $57 \div 4 = 14\frac{1}{4}$   
 $138 \div 5 = 27\frac{3}{5}$

REMAINDERS AS DECIMALS  
 $57 \div 4 = 14.25$   
 $138 \div 5 = 27.6$

MONEY  
 $£57 \div 4 = £14.25$   
 $£138 \div 5 = £27.60$

**A**

Give the remainder as a fraction.

1  $35 \div 2$     6  $127 \div 10$   
 2  $38 \div 5$     7  $27 \div 4$   
 3  $54 \div 4$     8  $72 \div 5$   
 4  $34 \div 6$     9  $31 \div 2$   
 5  $49 \div 3$     10  $65 \div 6$

Give the remainder as a decimal.

11  $£15 \div 2$     16  $£74 \div 10$   
 12  $£24 \div 5$     17  $£35 \div 4$   
 13  $£36 \div 10$     18  $£39 \div 2$   
 14  $£15 \div 4$     19  $£28 \div 5$   
 15  $£41 \div 5$     20  $£37 \div 4$

21 Ten bus tickets cost £18. What does one ticket cost?  
 22 A piece of wood is 27 cm long. It is cut in half. How long is each piece?  
 23 Five full buckets of water make 22 litres. How much does one bucket hold?  
 24 Angus buys four shirts for £31. How much does one shirt cost?

**B**

Give the remainder as a fraction.

1  $93 \div 4$     6  $133 \div 5$   
 2  $42 \div 8$     7  $32 \div 7$   
 3  $67 \div 3$     8  $168 \div 10$   
 4  $58 \div 9$     9  $65 \div 8$   
 5  $50 \div 6$     10  $535 \div 100$

Give the remainder as a decimal.

11  $75 \div 2$   
 12  $452 \div 10$   
 13  $111 \div 4$   
 14  $164 \div 5$   
 15  $39 \div 6$   
 16  $£127 \div 4$   
 17  $£137 \div 5$   
 18  $£92 \div 8$   
 19  $£83 \div 2$   
 20  $£375 \div 12$   
 21 Ten identical boxes weigh 94 kg. What does one box weigh?  
 22 Travis earns £75 for working six hours. How much does he earn each hour?

**C**

Copy and complete.

1  $\square \div 9 = 11\frac{6}{9}$   
 2  $\square \div 6 = 24\frac{6}{6}$   
 3  $\square \div 8 = 7\frac{8}{8}$   
 4  $\square \div 7 = 19\frac{7}{7}$   
 5  $\square \div 10 = 13\frac{10}{10}$   
 6  $\square \div 9 = 8\frac{9}{9}$   
 7  $\square \div 100 = 2\frac{100}{100}$   
 8  $\square \div 7 = 14\frac{7}{7}$

Give the answer as a decimal. Round to one decimal place where necessary.

9  $119 \div 4$     13  $112 \div 3$   
 10  $91 \div 5$     14  $142 \div 9$   
 11  $172 \div 6$     15  $93 \div 7$   
 12  $116 \div 8$     16  $105 \div 6$   
 17 Eight identical jars of jam hold 3 litres altogether. How much does each jar hold?  
 18 Katie earns £278. One fifth is taken off in tax. How much is she paid after the tax is taken off?  
 19 Kelvin buys 250 g of nuts. They cost £6 per kilogram. How much does he pay?