

# Practice Questions

## Challenge 1

- 1 What are all the factors of 24? \_\_\_\_\_
- 2 What are the common factors of 32 and 48? \_\_\_\_\_
- 3 Divide 132 by 5, giving your answer with a remainder.
- 4 Work out  $124.5 \times 10$  mentally. \_\_\_\_\_
- 5 What is  $6^2$ ? \_\_\_\_\_
- 6 Find a prime number between 32 and 40. \_\_\_\_\_

4 marks

5 marks

1 mark

1 mark

1 mark

1 mark

## Challenge 2

- 1 Find three common multiples of 3 and 5. \_\_\_\_\_
- 2 What is the product of 6, 8 and 4? \_\_\_\_\_
- 3 Divide 174 by 12, giving your answer with a fraction.
- 4 Work out  $13.65 \div 100$  mentally. \_\_\_\_\_
- 5 What is  $2^3$ ? \_\_\_\_\_
- 6 Work out  $38 \times 29$  using a written method.

3 marks

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

## Challenge 3

- 1 Find the prime factors of 30. \_\_\_\_\_
- 2 Work out  $234 \times 16$  using a written method.
- 3 What is  $5^3$ ? \_\_\_\_\_
- 4 Divide 248 by 16, giving your answer as a decimal.

# Review Questions

## PS Problem-solving questions

- 1 Find the number bonds to 100 for:  
a)  \_\_\_\_\_ b)  \_\_\_\_\_ c)  \_\_\_\_\_
- 2 Work out  $599 + 64$  mentally. \_\_\_\_\_
- 3 Work out  $702 - 35$  mentally. \_\_\_\_\_
- 4 Find the number bonds to 1000 for:  
a)  \_\_\_\_\_ b)  \_\_\_\_\_ c)  \_\_\_\_\_
- 5 Work out  $70 + 180$  mentally. \_\_\_\_\_
- 6 Work out  $230 - 90$  mentally. \_\_\_\_\_
- 7  $157 + \underline{\hspace{2cm}} = 190$
- 8 Which estimate is nearest for  $68 + 71$ ? Tick the correct answer.  
240       140       130
- 9 Work out  $2371 + 3268$  using a written method.

3 marks

1 mark

1 mark

3 marks

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

1 mark

**PS** 10 Jo spends £23.54 and Saira spends £12.56. How much do the girls spend altogether?

\_\_\_\_\_

11 Work out  $1984 - 1167$  using a written method.

**PS** 12 I earned £34.82 from helping at home. I spent £15.45 on a new bag.

How much money do I have left? \_\_\_\_\_

**PS** 13 Colleen spends £23.14 on clothes and £5.45 on a new pencil case.

How much change will she get from £50? \_\_\_\_\_