Teaching Information:

These questions have been taken from the KS2 Arithmetic test to help your children practise specific question types.

National Curriculum Objectives:

Mathematics Year 5: (5F11) Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal

Mathematics Year 5: (5F12) Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25

Mathematics Year 6: (6F11) Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Mathematics Year 6: (6F9b) Multiply one-digit numbers with up to two decimal places by whole numbers

Mathematics Year 6: (6R2) Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison

Differentiation:

Introduction Multiply 10% by whole numbers, which are multiples of 10. Aimed at below Year 5 Developing.

Beginner Multiply simple percentages (25%, 50%, 75%) by whole numbers. Aimed at Year 5 Developing.

Easy Multiply simple percentages (20%, 40%, 60%, 80%) by whole numbers. Aimed at Year 5 Expected.

Tricky Multiply simple percentages (multiples of 10%) by whole numbers. Aimed at Year 5 Greater Depth.

Expert Multiply percentages (multiples of 5%) by whole numbers. Aimed at Year 6 Developing.

Brainbox Multiply any percentage by a whole number. Aimed at Year 6 Expected.

Genius Multiply any percentage by a whole number (involving some decimal answers.) Aimed at Year 6 Greater Depth.

More Arithmetic resources.

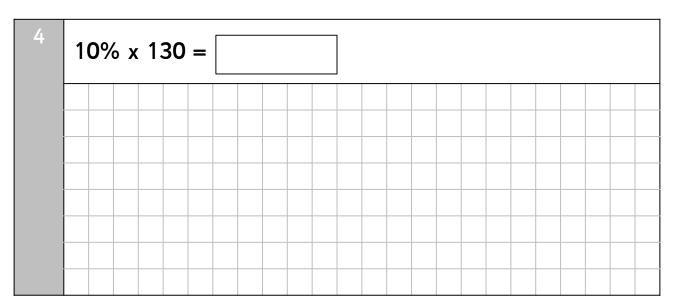
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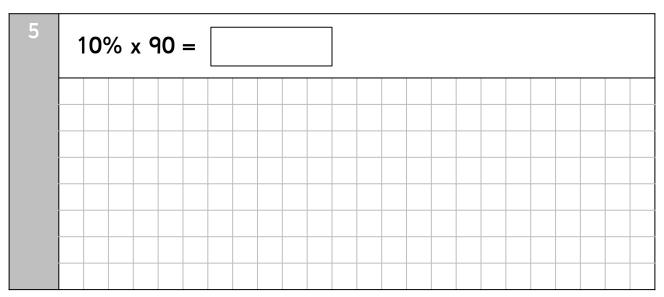
classroomsecrets.com

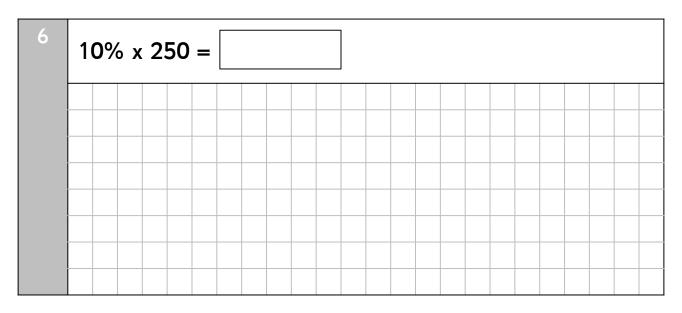


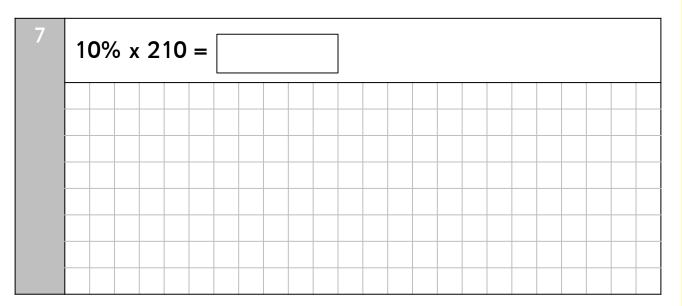
10% x 50 =

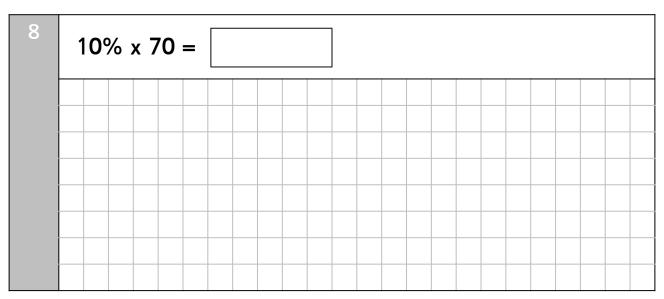
10% x 100 =

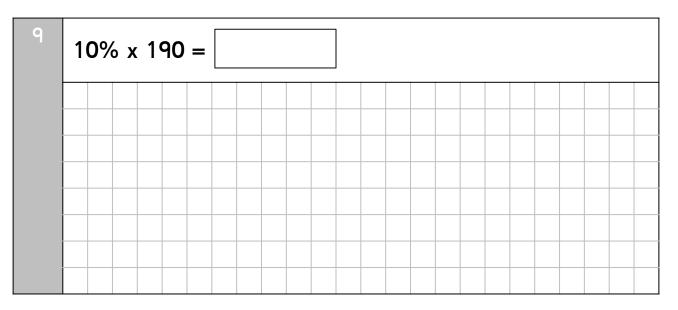




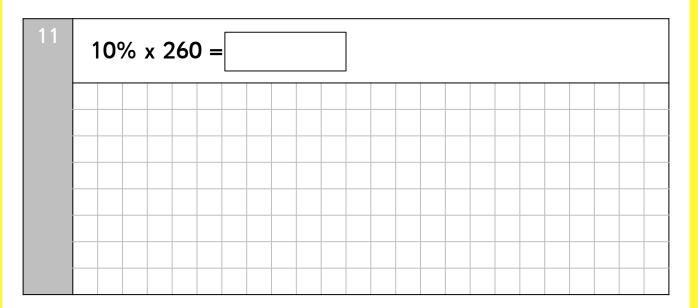




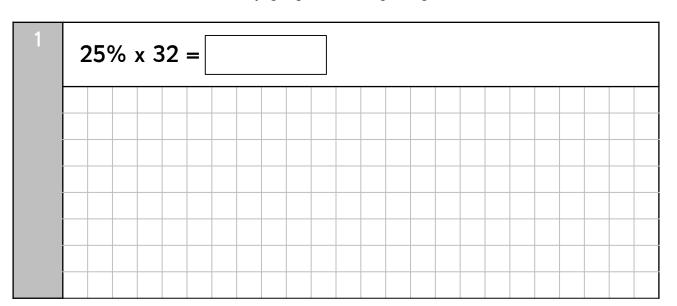


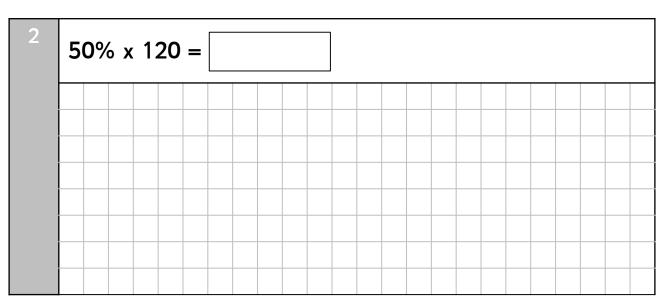


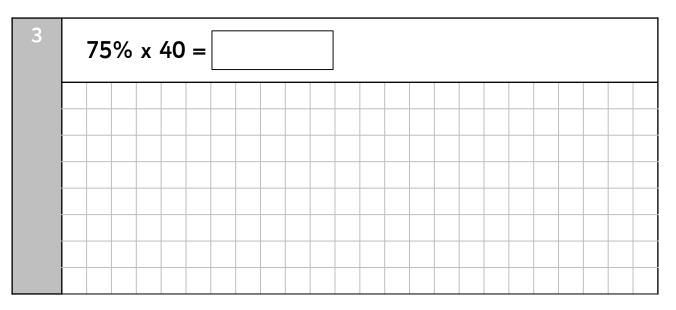
10% x 420 =

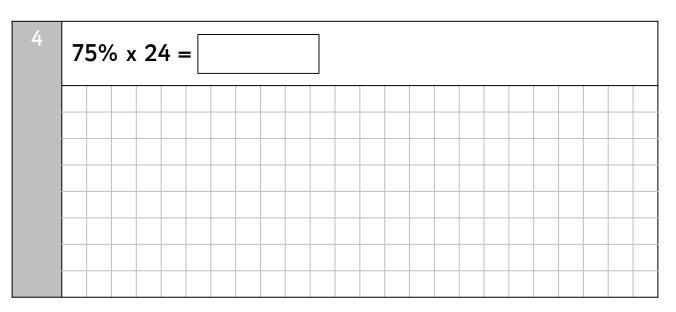


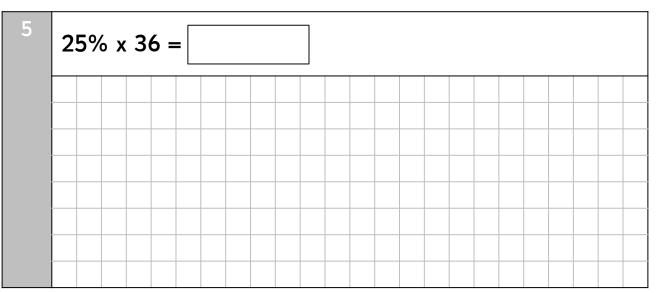
10% x 500 =

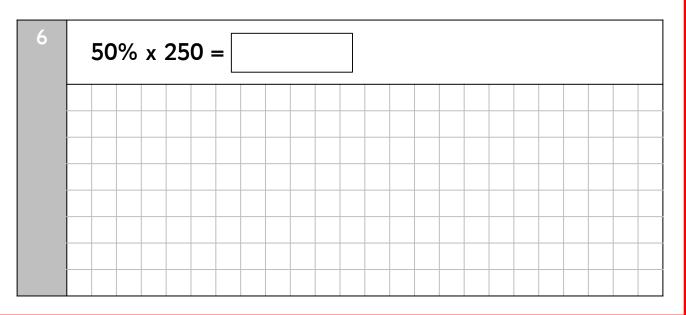


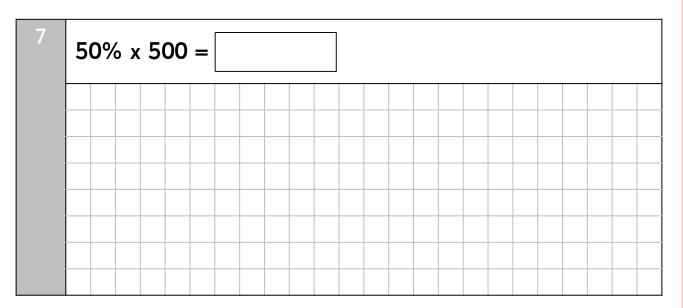


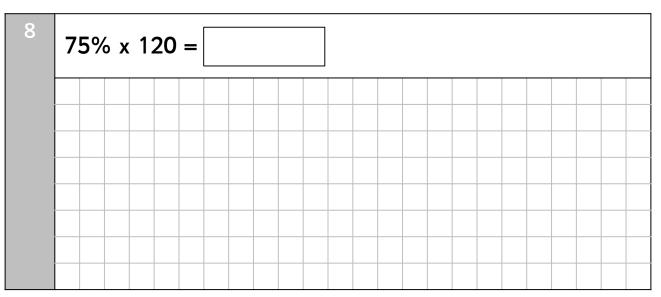


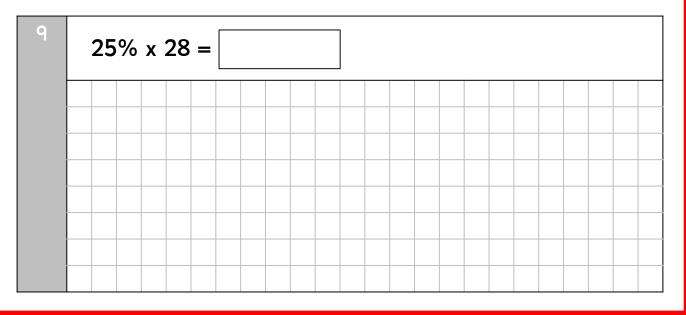




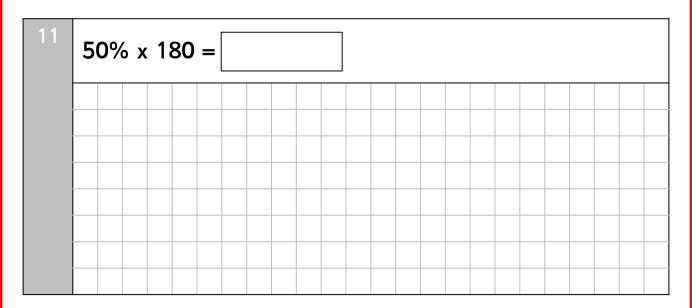






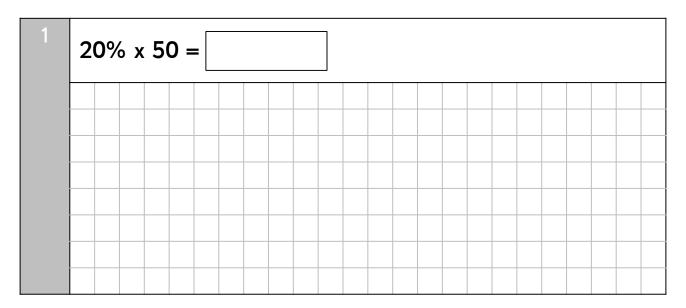


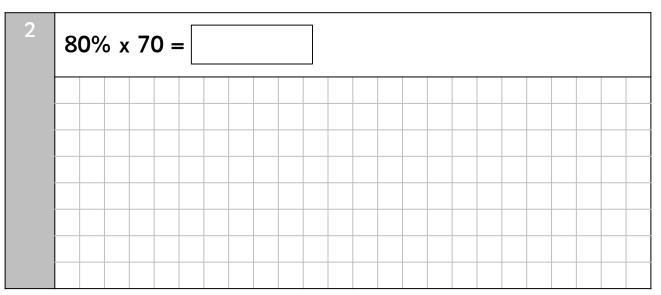
25% x 80 =

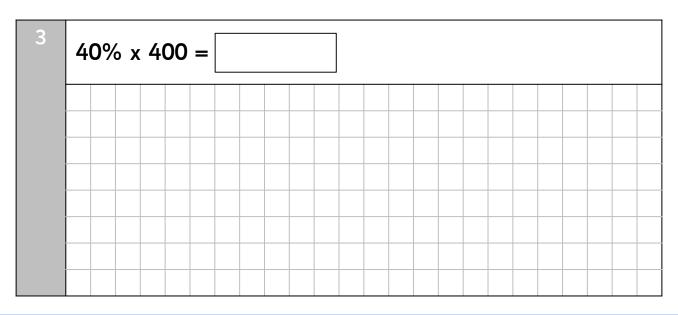


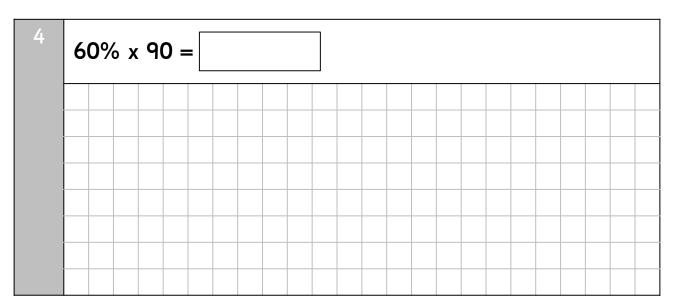
75% x 48 =

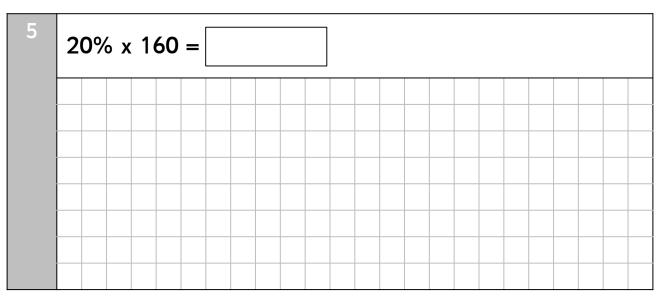


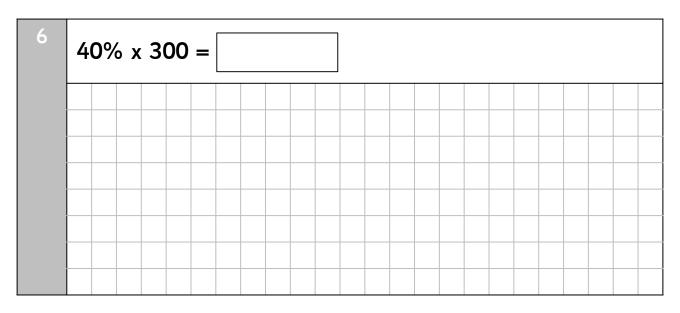




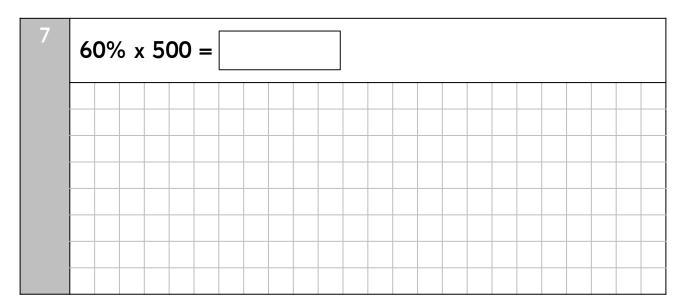


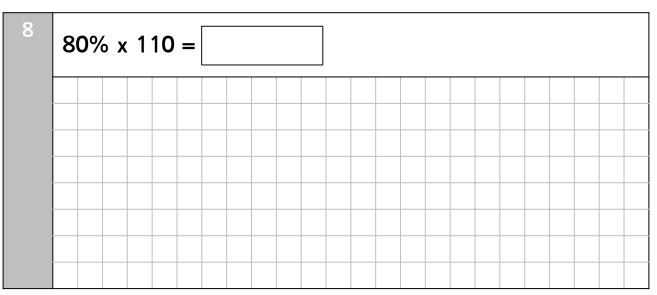


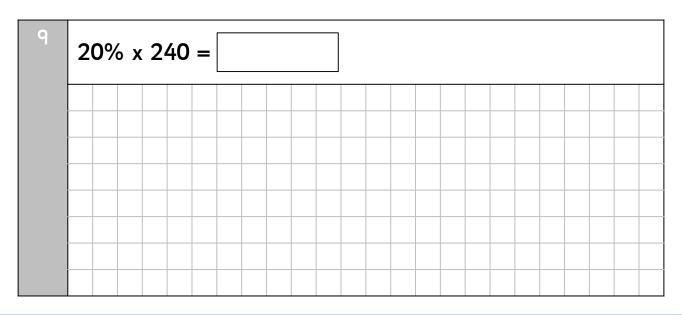






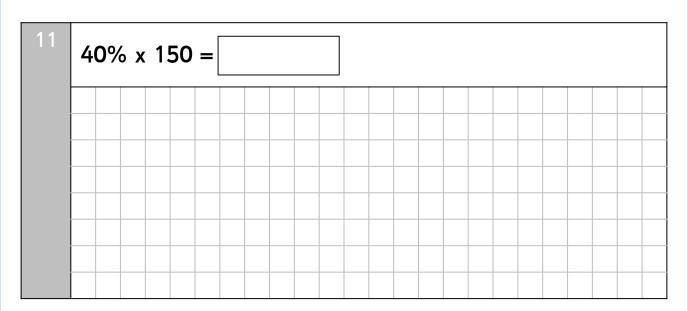




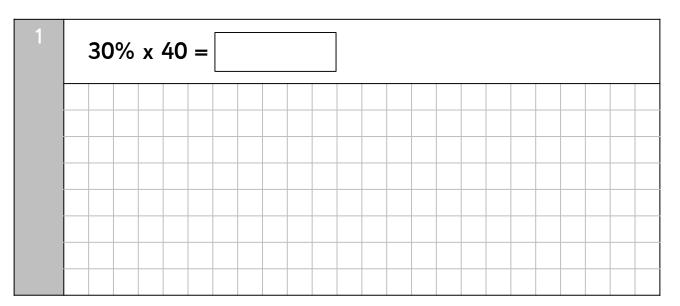


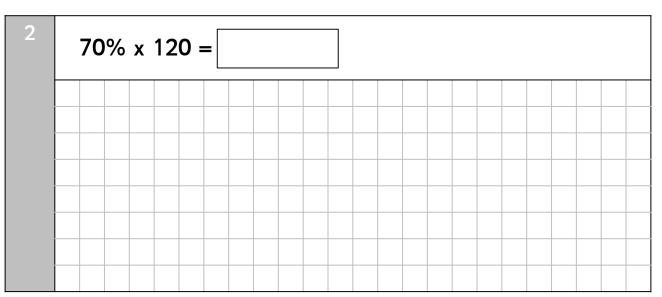


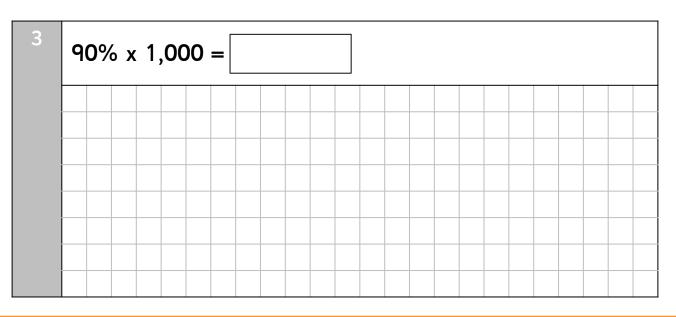
20% x 250 =

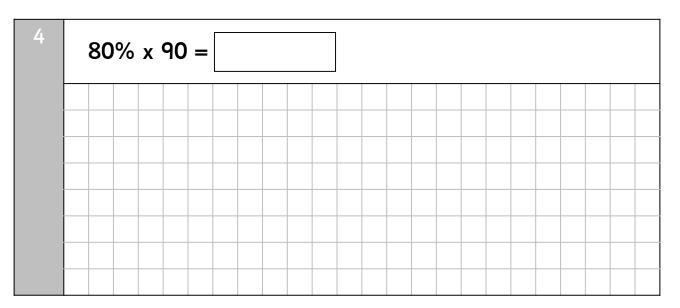


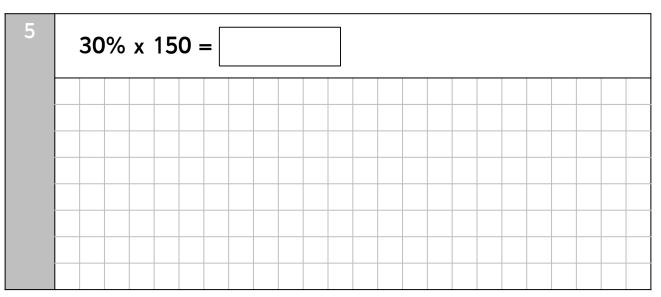
60% x 600 =

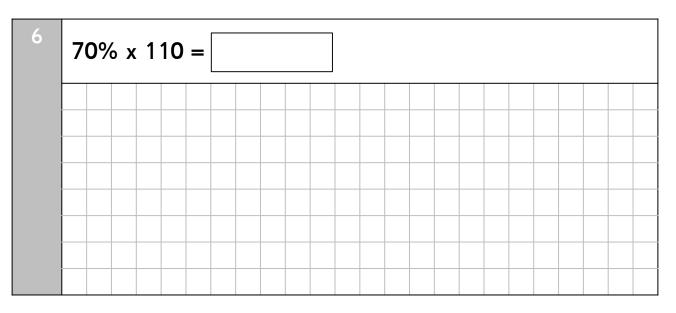


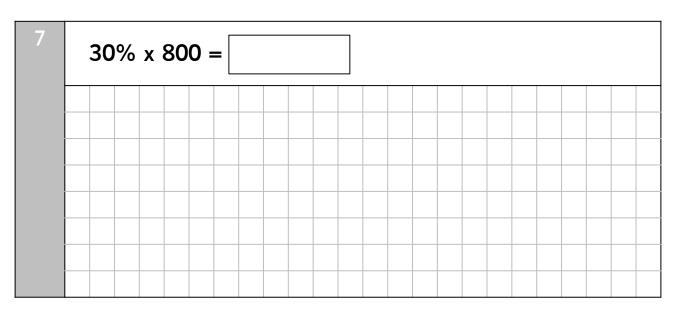


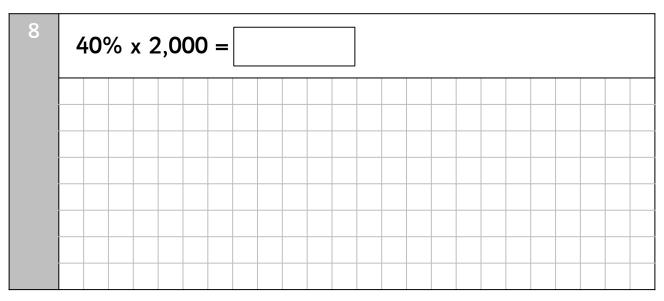


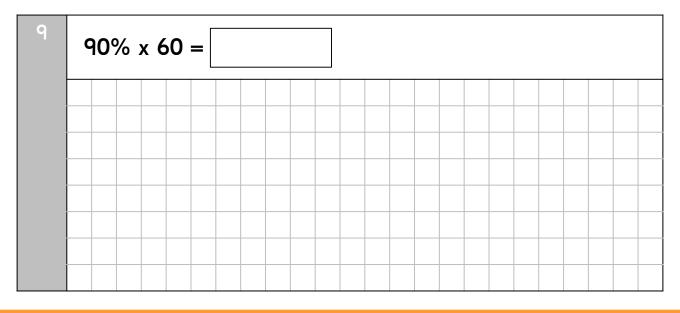










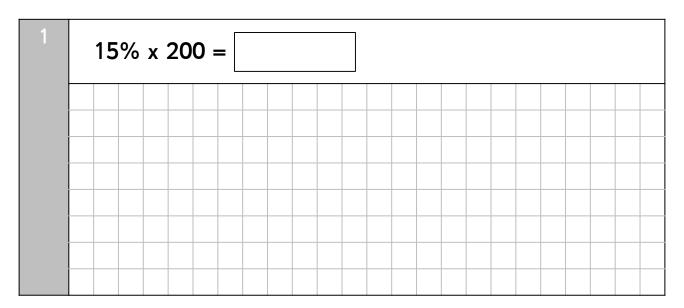


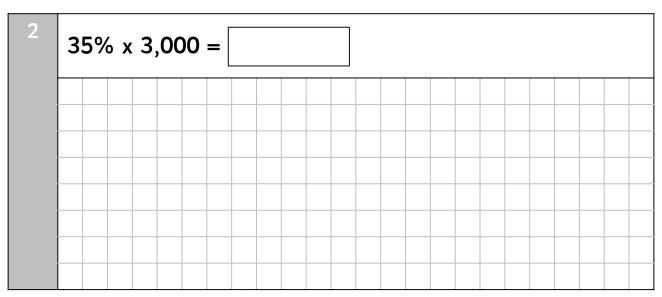
70% x 300 =

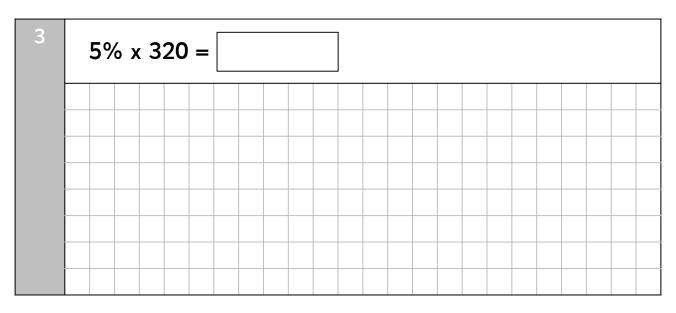
90% x 120 =

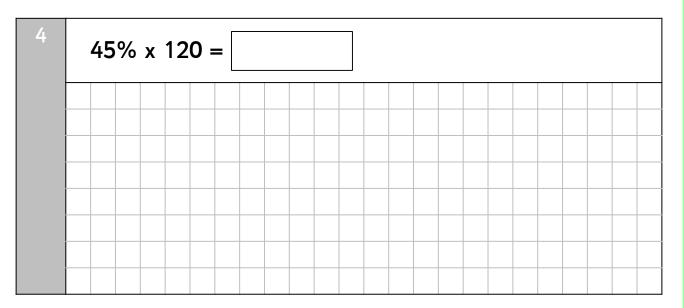
30% x 250 =

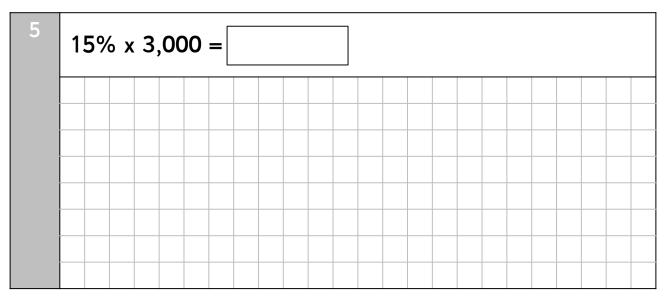


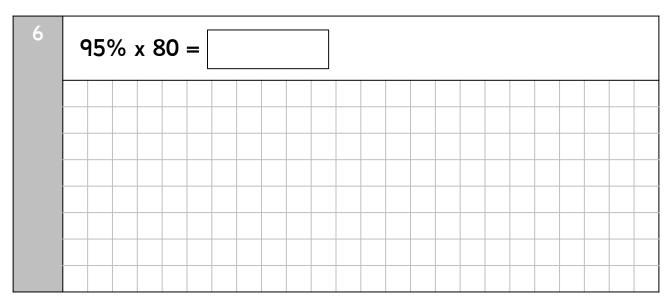


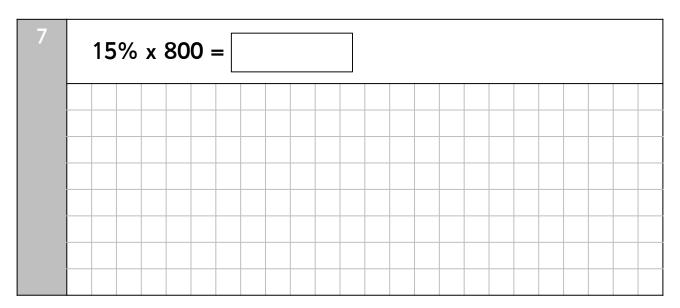


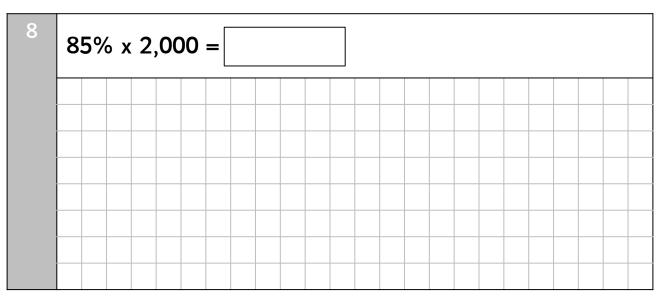


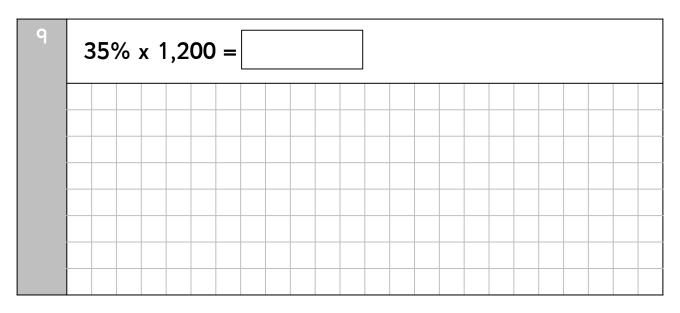




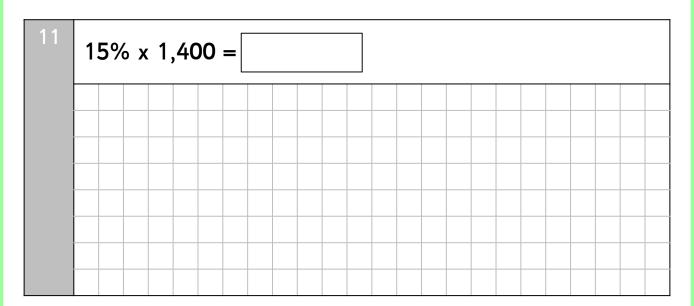




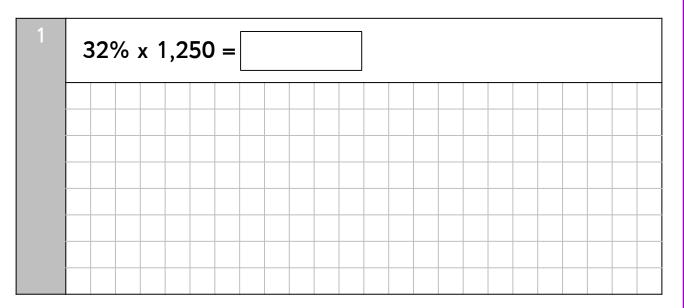


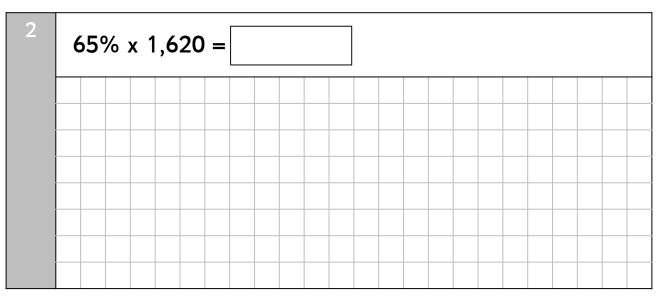


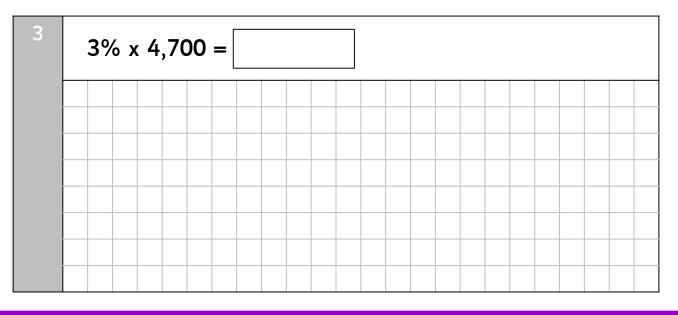
35% x 60 =

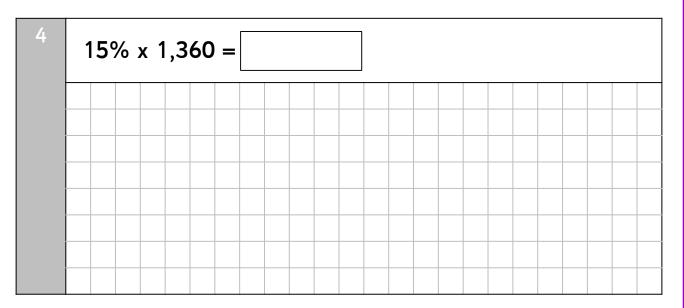


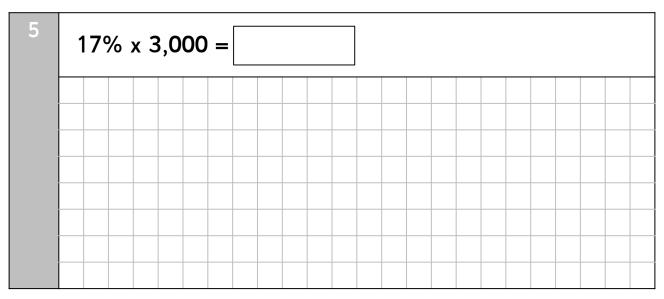
5% x 1,500 =

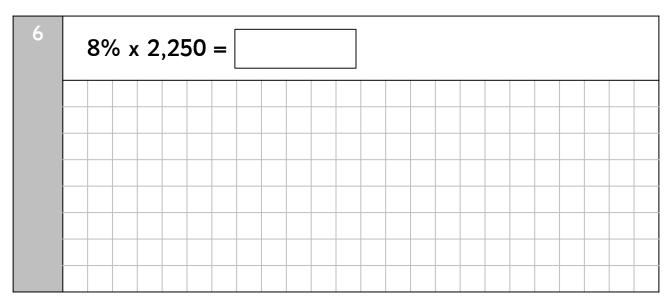


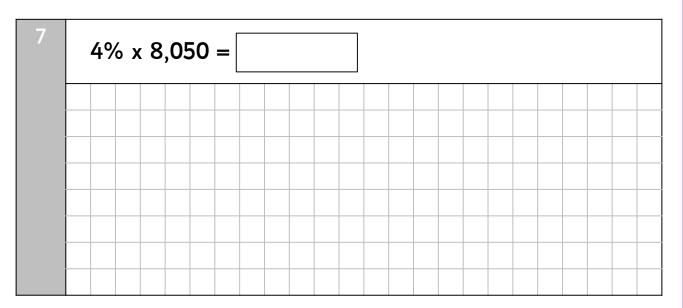


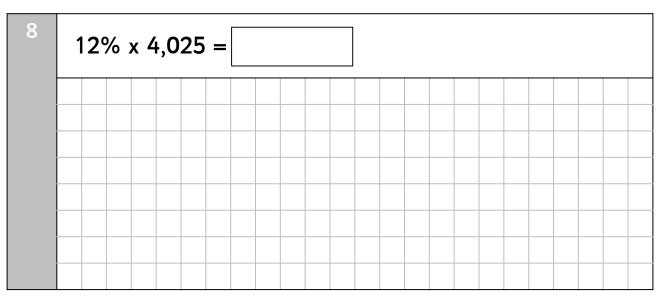


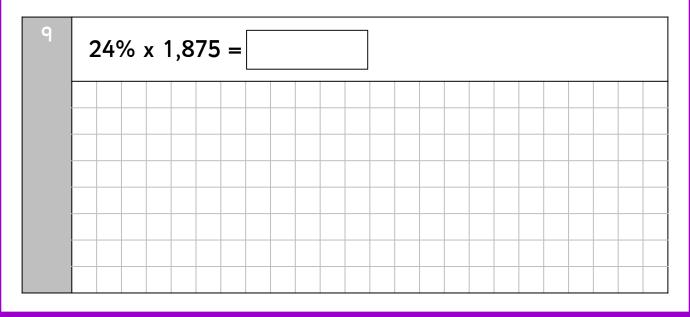




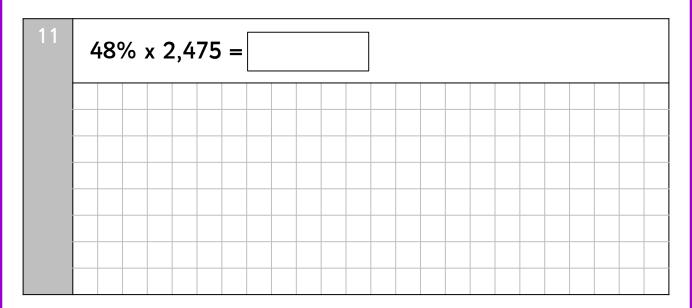




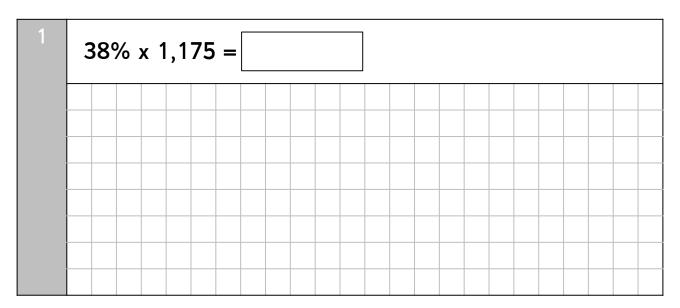


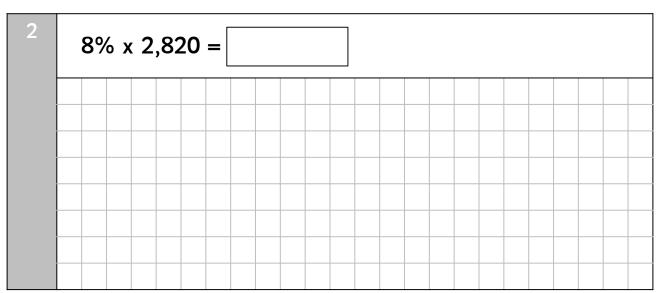


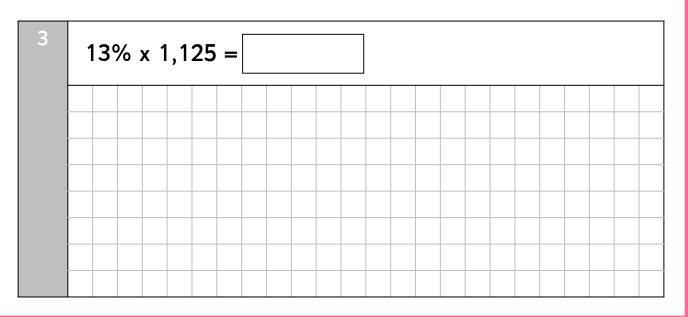
10 14% x 4,850 =

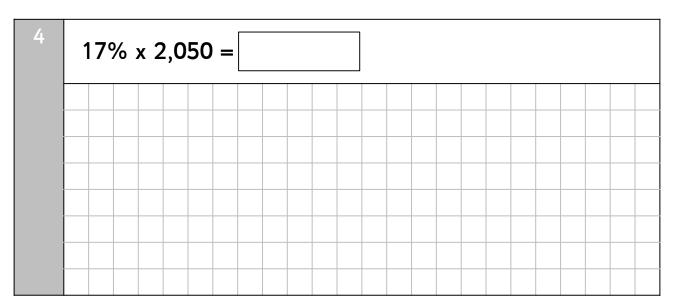


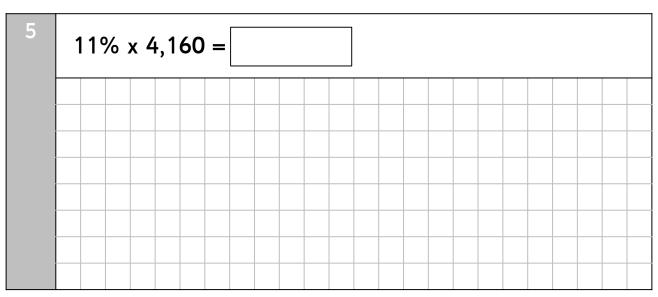
89% x 9,000 =

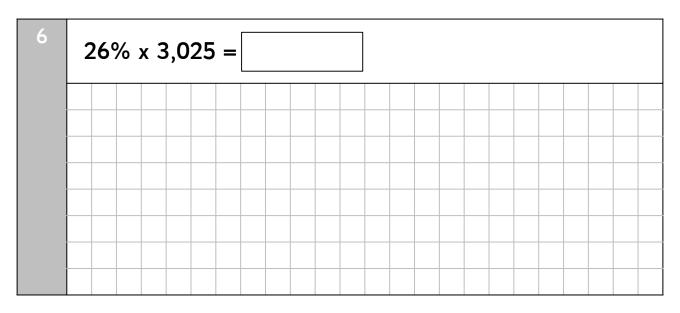


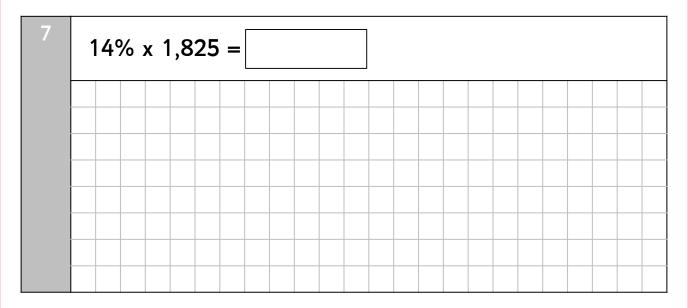


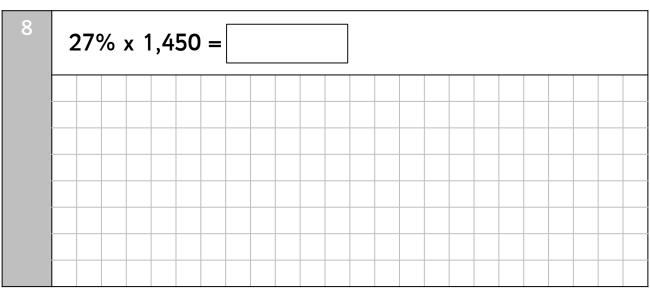


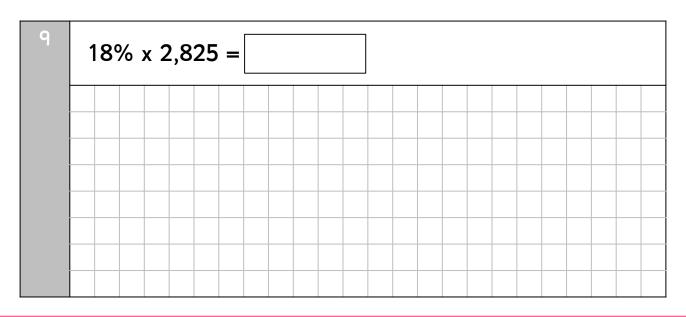












37% x 1,150 =

78% x 1,025 =

39% x 4,550 =

Introduction

1.	2	4.	13
_	_	_	

5. **9**

7. **21** 8. 7

10. 42

2. 5 3. 10

6. **25**

9. 19

11. **26 12. 50**

Beginner

1.8 4. 18 2.60

5. 9

7. 250 8. 90

10. **20** 11.90

3. 30

6. 125

9. 7

12.36

Easy

1. 10

4. 54 5. 32 2. 56

10. 50 11. 60

3. 160

6. 120

9. 48

7.300

8. 88

12.360

Tricky

1. 12

2. 84

4. 72 **5**. **45** 7. 240 8.800 10. 210

3. 900

6.77

9. 54

11. **108 12**. **75**

Expert

1. 30 2. 1,050 4. 54 5. 450

6. 76

9.420

7. 120 10. **21** 8. 1,700 11. 210

3. 16

Brainbox

2. 1,053

3. 141

4. 204 1.400

5. 510

6. 180

7. 322

8. 483 9.450 10.679 11. 1,188

12. 8,010

12. 75

Genius

1. 446.5

2. 225.6 3. 146.25 4. 348.5

5. 457.6

7. 255.5 8. 391.5

10. 425.5 11. 799.5

6. 786.5

9. 508.5

12. 1,774.5