FOUNDATION & HIGHER

SAME AT BOTH TIERS

Name ..... Class .....

# N2: Four operations

*Integers, decimals, fractions and mixed numbers; place value*

20 marks · 25 minutes · Non-calculator

**1)** Work out $3.6 \times 2.4$

.....

**[Question 1: 2 marks]**

**2)** Work out $4.56 \div 0.3$

.....

**[Question 2: 2 marks]**

**3)** Work out $2\frac{3}{4} + 1\frac{5}{6}$. Give your answer as a mixed number.

.....

**[Question 3: 3 marks]**

**4)** Work out $3\frac{1}{3} \times 1\frac{1}{5}$

.....

**[Question 4: 2 marks]**

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**5)** Work out

(a) $-7 \times -6$

.....

(1)

(b) $-48 \div 6$

.....

(1)

**[Question 5: 2 marks]**

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**6)** Work out $2\frac{1}{2} \div \frac{3}{4}$. Give your answer as a mixed number.

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**[Question 6: 2 marks]**

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**7)** You are told that $23 \times 47 = 1081$. Use this to write down the value of

(a) $2.3 \times 4.7$

.....

(1)

(b) $1081 \div 0.47$

.....

(1)

**[Question 7: 2 marks]**

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**8)** Work out $286 \times 34$

.....

**[Question 8: 2 marks]**

**9)** Work out $5 - 2\frac{3}{8}$

.....

**[Question 9: 2 marks]**

**10)** What is the value of the digit 7 in the number 3.072?

.....

**[Question 10: 1 marks]**

**End of paper – 20 marks in total**

# Answers and brief mark scheme

| Q | Answer | Method / notes |
|---|---|---|
| 1 | 8.64 | $36 \times 24 = 864$ (M1); A1. |
| 2 | 15.2 | $45.6 \div 3$ (M1); A1. |
| 3 | $4\frac{7}{12}$ | Common denominator 12 (M1); $\frac{33}{12} + \frac{22}{12}$ (M1); A1. |
| 4 | 4 | $\frac{10}{3} \times \frac{6}{5}$ (M1); A1. |
| 5 | (a) 42 (b) $-8$ | B1 each. |
| 6 | $3\frac{1}{3}$ | $\frac{5}{2} \times \frac{4}{3}$ (M1); A1. |
| 7 | (a) 10.81 (b) 2300 | B1 each. |
| 8 | 9724 | Complete method (M1); A1. |
| 9 | $2\frac{5}{8}$ | $\frac{40}{8} - \frac{19}{8}$ (M1); A1. |
| 10 | 7 hundredths | B1 (accept 0.07). |