

Year 6 Mathematics Worksheet Jan 2010

1. Complete the table

Number	Nearest 10	Nearest 100	Nearest 1000
3065			
72594			

2. a) Estimate the answer to 46×74

b) Calculate the exact answer to 46×74

c) Without showing any working write down the answer to

$$460 \times 7400 = \qquad 4.6 \times 740 = \qquad 23 \times 74 = \qquad 0.46 \times 7.4 =$$

3. Fill in the gaps, use a number line to help you

a) -1.3, -1, -0.7, _____, _____, _____

b) 3.4, 2.4, 1.4, _____, _____, _____

c) -25, -18, -11, _____, _____, _____

4. Complete these conversions

a) $3.2\text{m} = \quad \text{cm}$ b) $0.45\text{km} = \quad \text{m}$ c) $2000\text{cm} = \quad \text{m}$

d) $45000\text{mm} = \quad \text{m}$ e) $0.02\text{km} = \quad \text{m}$ f) $23000000\text{m} = \quad \text{km}$

g) $6400\text{g} = \quad \text{kg}$ h) $27\text{g} = \quad \text{kg}$ c) $53\,948\text{g} = \quad \text{kg}$

5. Write the prime number that comes before each of these numbers and the square number that comes after each number.

a) 8 b) 37 c) 53

6. Work out

a) $3^2 + 5^2 + 6^2$ b) $6^2 \div 3^2$ c) $1^3 - 2^3 + 3^3$

7. Convert these fractions to decimals

a) $\frac{27}{100} =$ b) $2\frac{3}{4} =$ c) $\frac{7}{20} =$ d) $2\frac{31}{200} =$