

Worksheet 6: number review

- 1) Write down the value of the underlined digit in each of the numbers below
 - a) 1 473 b) 27.9216754 c) 3.1415926

- 2) Decide if the following statements are true or false
 - a) “A square number will always be even”
 - b) “All prime numbers are odd”
 - c) “Multiples of 6 can be even or odd”
 - d) “Prime numbers larger than ten are odd”
 - e) “Multiples of 5 can be even or odd”

- 3) The sum of Bill and Ben's ages is 47
Bill is five years older than Ben
How old is Bill?

- 4) Write down the...
 - a) The HCF of 8 and 12
 - b) The LCM of 12 and 15
 - c) The HCF of 36 and 48

5) Work out each of the following calculations

a) $21 + 327.6 + 0.35 + 1.2$

b) $234.56 + 135.75 - 75.2$

c) $0.035 + 7 + 2.1 + 0.6$

d) $12.5 - 3.17 + 7.1$

6) Work out each of the following calculations

a) 7.2×0.17

b) 1.2×0.35

c) 9.3×5.7

d) 12.5×0.15

7) Work out each of these calculations

a) $17.6 \div 8$

b) $10.24 \div 1.2$

c) $7.5 \div 0.15$

d) $1.69 \div 0.13$

8) Write 70% as a decimal

9) Write 0.6 as a fraction in its simplest form

10) Which is larger: 65% or $\frac{2}{3}$?

Show a calculation

11) Write $\frac{2}{5}$ as a decimal and as a percentage

12) Convert $\frac{3}{8}$ to a decimal

13) Work out

a) 15% of £350

b) 40% of £970

c) 65% of £28

14) Put each of the sets of numbers below in order of size, smallest first

a) 3.1, 0.31, 3.01, 0.031, 0.301

b) 40%, 0.401, $\frac{3}{8}$

c) $\frac{2}{3}$, 66%, 0.667

15) a) Write 629 000 as a number in standard form

b) Write 0.00072 as a number in standard form

16) Francine wins £600 in a competition at work

She gives $\frac{1}{3}$ of the money to charity

She spends £130

How much is left?

17) Work out a) $\frac{1}{5} + \frac{2}{3}$ b) $\frac{5}{8} + \frac{3}{4}$

18) Work out a) $\frac{7}{8} - \frac{4}{5}$ b) $\frac{5}{6} - \frac{3}{4}$

19) Work out a) $\frac{3}{5} \times \frac{3}{4}$ b) $\frac{3}{8} \times \frac{4}{9}$

20) Work out a) $\frac{3}{7} \div \frac{5}{14}$ b) $\frac{4}{5} \div \frac{8}{15}$

21) Mkose wants to have an annual income of £12 000 from his investments. The interest rate is 5% per year
How much does Mkose need to invest?

22) The wage deal is agreed: 2% plus a flat increase of £300.
Karen earned £15 000 per year before the wage deal was agreed.
How much will she earn after the deal?

23) Add a pair of brackets to each of the expressions below to make them correct

a) $5 - 3 \times 4 + 3 = 14$

b) $15 \div 6 - 1 \times 2 = 6$