Bond Fourth level papers in Maths 10–11⁺ years – Sample test

1 If 6 people do a certain job in 8 hours, how long will it take 16 people, working at the same speed? _____

$\boxed{B}\ \boxed{3}$

$\bigcirc$ 1

Find the mean of each of the following sets of numbers.

$\boxed{B}\ \boxed{15}$

2 8   10   3   7   _____

3 6   2   7   1   4   _____

4 8   10   3   5   3   13   _____

$\bigcirc$ 3

Multiply each of the numbers below by 1000.

$\boxed{B}\ \boxed{1}$

5 41.5   _____

6 0.082   _____

7 3.86   _____

$\bigcirc$ 3

8 What would be the approximate cost of 15 CDs at £5.98 each (to the nearest £)?

_____

$\boxed{B}\ \boxed{3}$

$\bigcirc$ 1

9 Sue divided a number by 8 rather than multiplying it. Her answer was 12. What was the number?

_____

$\boxed{B}\ \boxed{3}$
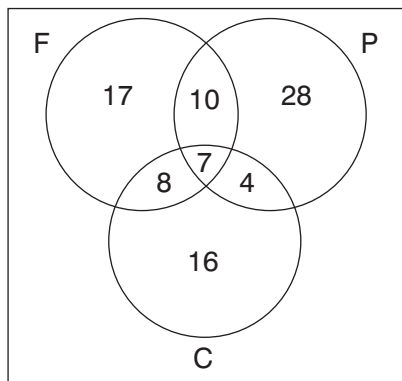
$\bigcirc$ 1

10–14 Arrange the fractions in order of size, putting the largest first.

$\boxed{B}\ \boxed{3}$

$\frac{5}{8}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{5}{6}$

_____

$\bigcirc$ 5

Some children made this Venn diagram of the food they prefer.

F = fish

P = pizza

C = chicken

15–17 _____ children like fish, _____ like pizza and _____ like chicken.

18 The number of children who like both fish and pizza is _____

19 How many children don't like pizza? _____

20 How many children altogether were counted in the diagram? _____

21–23 £12 is shared between Emily, Claire and Jo in the ratio of 9 : 5 : 2.

How much do they each receive?

Emily _____ Claire _____ Jo _____

24 11 toys were bought for £2.15 each and sold for £3.50.

What was the total profit? _____

Underline the correct answer in each line.

25 $\frac{1}{6} + \frac{1}{3}$ = $\frac{1}{9}$ $\frac{2}{9}$ $\frac{3}{6}$ $\frac{1}{18}$

26 $3.00 - 1.66$ = 1.44 0.34 4.66 1.34

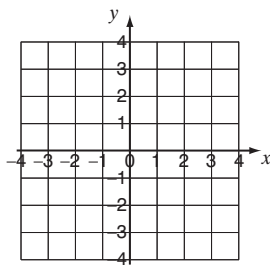**27** 0.2×0.2 = 0.08 0.4 0.04 0.22

28 $4 \div 0.8$ = 0.2 0.5 0.32 5

29–33 Plot the points (3, 1), (3, –3), (–1, 1) on the grid.

These points are the vertices of a square.
Mark the fourth vertex and draw the square.

34–35 The coordinates of the fourth vertex are (_____, _____).

36–37 The coordinates of the centre of the square are (_____, _____).

Change these 24-hour times into 12-hour times using a.m. or p.m.

38 18:17 _____

39 05:03 _____

40 21:19 _____

41–43 The ages of Grandma, Aunt Jane and Sara add up to 119 years. Grandma is twice as old as Aunt Jane, and Aunt Jane is twice as old as Sara.

Grandma is _____ years old, Aunt Jane _____ years old and Sara is _____ years old.

$6 \times 6 = 6^2$ $3 \times 3 \times 3 = 3^3$.   Now write these numbers in the same way.

44 $10 \times 10 \times 10$ $=$ _____

45 $5 \times 5 \times 5 \times 5$ $=$ _____

46 $8 \times 8 \times 8 \times 8 \times 8$ $=$ _____

47 $4 \times 4 \times 4 \times 4$ $=$ _____

48 $1 \times 1 \times 1 \times 1 \times 1 \times 1$ $=$ _____

49 Find the area of a room which is 6 metres long and 9 metres wide.

_____

50 What is the perimeter of the room?   _____

B 23

9

B 27

3

B 13

3

B 6

5

B 20

2

Now go to the Progress Chart to record your score!   Total   50