

# Sutton Maths Class

## Year 4 - Week 20 Assessment

- 1 Simplify:  
a)  $\frac{5}{50}$     b)  $\frac{12}{42}$
- 2 Complete the following:  
 $\frac{3}{12} = \frac{?}{48}$
- 3 Write  $\frac{49}{6}$  as a mixed number
- 4 Write  $7\frac{3}{4}$  as an improper fraction.
- 5 Find  $\frac{2}{5}$  of £600.
- 6 Find 20% of 800.
- 7 A top that normally costs £40 is reduced by 10% in a sale. What is the new cost?
- 8 Round 8.29 to the nearest tenth.
- 9 Solve  $3x + 12 = 33$
- 10 I think of a number, multiply by 4, subtract 6 and the answer is 18. What was the original number?
- 11 Find  $-4 - 7$
- 12 The temperature in Birmingham dropped from 4 degrees to -14 degrees. How far did it drop?
- 13 What is  $-6 \times 8 =$
- 14  $(9 - 2)^2 - 16 \div 2^2$

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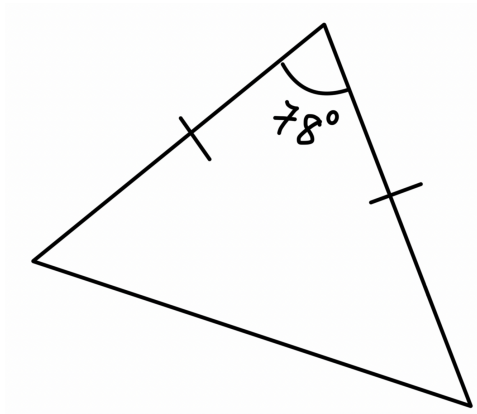
- 15 If  $a = 5$ ,  $b = 3$  and  $c = 2$  find  $ab - c$
- 16 Simplify 24:30.
- 17 Jane and Peter split £120 in the ratio 3:1. How much does Jane get?
- 18 Jane and Peter split some marbles in the ratio of 5:3. Peter has 24 marbles. How many more does Jane have than Peter?
- 19 Draw the factor tree for 108.
- 20 List all of the factors of 24.
- 21  $\frac{1}{5} + \frac{2}{10} =$
- 22  $\frac{3}{10} \div \frac{2}{5} =$
- 23 What is  $\frac{1}{3}$  of  $\frac{1}{2}$ ?
- 24 Write 7m in mm.
- 25 Write 6.2 litres in ml.
- 26 What is next in the sequence?  
8, 12, 10, 15, 12, 18, \_\_\_\_
- 27 What is the 3rd term of the sequence with nth term  $2n + 1$ ?
- 28 What is the fourth triangular number?
- 29 Find  $3^3$ .
- 30 What is the square root of 64?
- 31 What is 0.6 as a fraction?
- 32 What is 28% as a decimal?
- 33 What is 0.2 as a percentage?

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34 What is  $\frac{3}{5}$  as a percentage?

35 A cake needs 300g of sugar. How many **kg** of sugar do I need to make 3 cakes?

36 An isosceles triangle has an angle 78 degrees. What are its other angles? Hint: draw this roughly to see what it looks like.



37 What is next in the sequence:

1, 1, 2, 3, 5, 8, 13, \_\_\_\_

38 Add  $\frac{5}{8}$  of 80 to 15% of 40.

39 What is the first prime number?

40 Find  $t$ .

