

Calculations

**25.03.20**  
**Calculations**

1. One third of 120	1. 40	1. 1,8,27	1. First 3 cube numbers (1 <sup>3</sup> , 2 <sup>3</sup> ...)
2. 70% of 420	2. 294	2. 2.036m	2. 2.4m - 364mm
3. 36 multiplied by 100	3. 3600	3. 18cm	3. Perimeter of a hexagon with 3cm sides
4. 45cm in mm	4. 450mm	4. 63	4. 140% of £45
5. triple 14	5. 42	5. 7200mm	5. 7.2m into mm
6. 7 x 0	6. 0	6. 1.5625	6. Half of 3.125
7. 8 <sup>2</sup>	7. 64	7. 201.78	7. 34.2 x 5.9
8. Half of £1.13	8. 56.5p	8. £5.97	8. £14.76 - 879p
9. 43.5 + ? = 100	9. 56.5	9. £3.21	9. ? + £6.79 = £10
10. 14 x 258	10. 3612	10. 215.666	10. 5823 27
11. 354.12 - 39.613	11. 314.507	11. right-angled, isosceles, scalene, equilateral	11. Name all the triangles
12. 1400 ÷ 9	12. 155.555	12. 42	12. Sum of 30 and 12
13. £2.19 + 45p + £14.60	13. £17.24	13. 123.65	13. Difference between 158 and 34.35

Fractions

**25.03.20**  
**10 minute fractions**

1. $\frac{3}{4} + \frac{9}{4}$	4. $\frac{82}{15}$	8. $4\frac{1}{9} \div \frac{2}{3}$
2. $\frac{6}{7} - \frac{2}{5}$	5. $6\frac{2}{9} + 2\frac{1}{3}$	9. $5 \times \frac{2}{7}$
3. $3\frac{11}{16}$	6. $\frac{11}{9} \times \frac{2}{3}$	10. $5\frac{1}{2} \times \frac{7}{8}$
	7. $\frac{5}{6} \div \frac{6}{7}$	11. $7\frac{2}{9} - 5\frac{3}{4}$

1.  $\frac{3}{4} + \frac{9}{4} = \frac{12}{4} = 3$

2.  $\frac{6 \times 5}{7} - \frac{2 \times 7}{5} = \frac{30}{35} - \frac{14}{35} = \frac{16}{35}$

3.  $3\frac{11}{16} = \frac{59}{16}$

4.  $\frac{82}{15} = 5\frac{7}{15}$

5.  $6\frac{2}{9} + 2\frac{1}{3}$   
 $8\frac{2}{9} + \frac{1 \times 3}{3} = 8\frac{2}{9} + \frac{3}{9} = 8\frac{5}{9}$

6.  $\frac{11}{9} \times \frac{2}{3} = \frac{22}{27}$

7.  $\frac{5}{6} \div \frac{6}{7} = \frac{K}{6} \times \frac{C}{F} = \frac{35}{36}$

8.  $4\frac{1}{9} \div \frac{2}{3} = \frac{37}{9} \times \frac{3}{2} = \frac{111}{18} = 6\frac{3}{18} = 6\frac{1}{6}$

9.  $\frac{5}{1} \times \frac{2}{7} = \frac{10}{7} = 1\frac{3}{7}$

10.  $5\frac{1}{2} \times \frac{7}{8} = \frac{11}{2} \times \frac{7}{8} = \frac{77}{16} = 4\frac{13}{16}$

11.  $7\frac{2}{9} - 5\frac{3}{4} = 2\frac{2 \times 4}{9 \times 4} - \frac{3 \times 9}{4 \times 9}$   
 $= 2\frac{8}{36} - \frac{27}{36}$   
 $= 1\frac{44}{36} - \frac{27}{36} = 1\frac{17}{36}$