



Year 6 Workout: Maths

Warm up

1. Round these numbers to the **nearest 1000**.

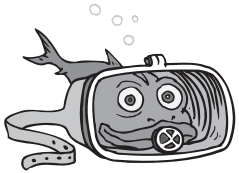
42 300 678 510

899 654 4 972 542 2 marks

2. Circle two fractions that are **equivalent to $\frac{22}{33}$** .

$\frac{2}{3}$ $\frac{3}{2}$ $\frac{11}{12}$ $\frac{4}{6}$ $\frac{22}{30}$ 1 mark

3. A researcher is tracking the heights above sea level of a bird and a fish. The bird is at **43 m** and the fish is at **-21 m**. What is the **difference** in their heights?



..... m 1 mark

4. Work out these multiplications. Simplify your answers.

$$\frac{3}{4} \times \frac{2}{5}$$

..... 1 mark

$$\frac{5}{6} \times \frac{4}{10}$$

..... 1 mark

5. What is another name for the **perimeter of a circle**? 1 mark

6. A biscuit factory makes **8632 gingerbread men** every hour. How many can the factory make in **16 hours**?



..... 1 mark

7. Circle the calculations below that are **correct**.

$$\frac{2}{3} \div 3 = \frac{2}{6}$$

$$\frac{5}{9} \div 4 = \frac{20}{9}$$

$$\frac{3}{10} \div 2 = \frac{3}{20}$$

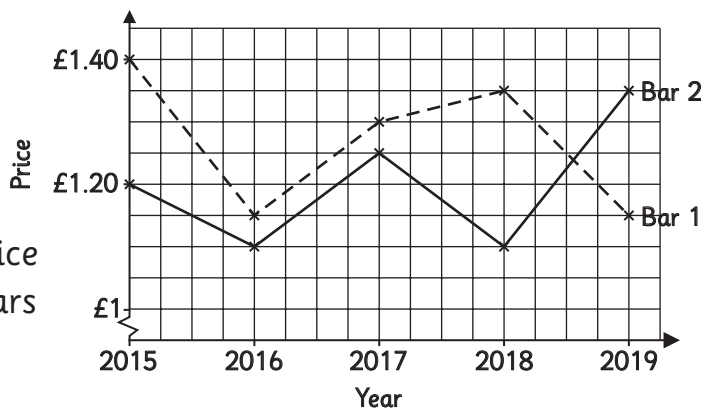
$$\frac{9}{11} \div 3 = \frac{3}{11}$$

$$\frac{7}{8} \div 5 = \frac{8}{35}$$

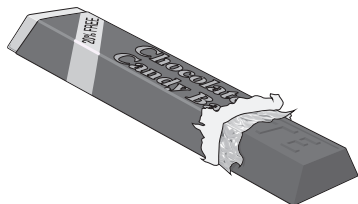
$$\frac{8}{9} \div 8 = \frac{1}{9}$$

2 marks

8. The line graph shows how the prices of two chocolate bars changed from 2015 to 2019.



What was the biggest price difference between the bars from 2015 to 2019?



..... 2 marks

Score:

Taken from CGP's Year 6 Maths 10-Minute Weekly Workouts (M6XW21). See the full range of KS2 Weekly Workouts at cgpbooks.co.uk.

Year 6 Maths Workout: Answers

1. 42 300 — **42 000** 678 510 — **679 000**
 899 654 — **900 000** 4 972 542 — **4 973 000**

2 marks for all 4 correct,
 otherwise 1 mark for any 2 correct

2. $\frac{2}{3}$ and $\frac{4}{6}$ 1 mark

3. Difference between 43 and $-21 = \mathbf{64\ m}$ 1 mark

4. $\frac{3}{4} \times \frac{2}{5} = \frac{6}{20} = \frac{\mathbf{3}}{10}$ 1 mark

$\frac{5}{6} \times \frac{4}{10} = \frac{20}{60} = \frac{\mathbf{1}}{3}$ 1 mark

5. **Circumference** 1 mark

6.
$$\begin{array}{r} 8\ 6\ 3\ 2 \\ \times \quad 1\ 6 \\ \hline 5\ 1_3\ 7_1\ 9_1\ 2 \\ 8\ 6\ 3\ 2\ 0 \\ \hline 1\ 3\ 8_1\ 1_1\ 1\ 2 \end{array}$$

so they make **138 112** 1 mark

7. $\frac{\mathbf{3}}{10} \div 2 = \frac{\mathbf{3}}{20}$, $\frac{\mathbf{9}}{11} \div 3 = \frac{\mathbf{3}}{11}$ and $\frac{\mathbf{8}}{9} \div 8 = \frac{\mathbf{1}}{9}$

2 marks for all 3 correctly circled,
 otherwise 1 mark for any 2 correctly circled

8. The biggest difference was in 2018 when
 bar 1 was £1.35 and bar 2 was £1.10. 1 mark
 $\pounds 1.35 - \pounds 1.10 = \pounds 0.25 = \mathbf{25p}$ 1 mark