

KS1 Maths Quiz - Year 2 Fractions - Lengths (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with finding fractions of lengths.

Understanding fractions of length means firstly being able to halve or quarter by dividing by 2 or 4. Applying this to a unit of measurement may mean having to convert units - for example, if asked to find half of 1m, it would first be sensible to recognise that 1m = 100cm.

Playing this quiz will help your child understand how to find fractions of length.

<p>1. I have a piece of ribbon which is 64cm long. I cut it in half - how long will each piece be?</p> <p><input type="checkbox"/> 40cm <input type="checkbox"/> 23cm <input type="checkbox"/> 28cm <input type="checkbox"/> 32cm</p>	<p>2. Sam walks 1 km to school every day. She meets her best friend exactly halfway. How far does Sam walk before she meets her friend?</p> <p><input type="checkbox"/> 250m <input type="checkbox"/> 500m <input type="checkbox"/> 2km <input type="checkbox"/> 100km</p>
<p>3. Harry is 120 cm tall. His little brother is half this height. How tall is Harry's brother?</p> <p><input type="checkbox"/> 40cm <input type="checkbox"/> 60cm <input type="checkbox"/> 80cm <input type="checkbox"/> 240cm</p>	<p>4. John walks 4 km to school. A $\frac{1}{4}$ of the way to school is a sweet shop. How far is it from John's home to the sweet shop?</p> <p><input type="checkbox"/> 1 km <input type="checkbox"/> 2 km <input type="checkbox"/> 4 km <input type="checkbox"/> 8 km</p>
<p>5. Jim ran $1\frac{1}{2}$ km. Ben ran $1\frac{1}{4}$ km. How much further did Jim run than Ben?</p> <p><input type="checkbox"/> 1 km <input type="checkbox"/> $\frac{1}{2}$ km <input type="checkbox"/> $\frac{1}{4}$ km <input type="checkbox"/> $\frac{3}{4}$ km</p>	<p>6. May grows her sunflower to 80cm. Jake's is only $\frac{1}{4}$ of this height. How tall is Jake's sunflower?</p> <p><input type="checkbox"/> 80cm <input type="checkbox"/> 60cm <input type="checkbox"/> 40cm <input type="checkbox"/> 20cm</p>
<p>7. A roll of tape measures 12m. I use $\frac{3}{4}$ of the tape. How much is left?</p> <p><input type="checkbox"/> 5 m <input type="checkbox"/> 3 m <input type="checkbox"/> 2 m <input type="checkbox"/> 6 m</p>	<p>8. I measure my pencil on Monday and it is 16cm long. By Friday, it is only half of this length. How long is my pencil on Friday?</p> <p><input type="checkbox"/> 10cm <input type="checkbox"/> 8cm <input type="checkbox"/> 4cm <input type="checkbox"/> 12cm</p>
<p>9. What is $\frac{1}{4}$ of a kilometre?</p> <p><input type="checkbox"/> 25cm <input type="checkbox"/> 25m <input type="checkbox"/> 250cm <input type="checkbox"/> 250m</p>	<p>10. Cubes measure 3cm each. I make a row of 10 cubes. Then I break the row in half. How long is each half of the row?</p> <p><input type="checkbox"/> 10cm <input type="checkbox"/> 12cm <input type="checkbox"/> 15cm <input type="checkbox"/> 13cm</p>

KS1 Maths Quiz - Year 2 Fractions - Lengths (Answers)

1. I have a piece of ribbon which is 64cm long. I cut it in half - how long will each piece be?

- 40cm
 23cm
 28cm
 32cm

Half of 64 is 32

2. Sam walks 1 km to school every day. She meets her best friend exactly halfway. How far does Sam walk before she meets her friend?

- 250m
 500m
 2km
 100km

1 km is 1000m. Half of 1000 is 500

3. Harry is 120 cm tall. His little brother is half this height. How tall is Harry's brother?

- 40cm
 60cm
 80cm
 240cm

Half of 120 is 60

4. John walks 4 km to school. A $\frac{1}{4}$ of the way to school is a sweet shop. How far is it from John's home to the sweet shop?

- 1 km
 2 km
 4 km
 8 km

To find a quarter of a number, divide it by 4 - or half it and half it again

5. Jim ran $1\frac{1}{2}$ km. Ben ran $1\frac{1}{4}$ km. How much further did Jim run than Ben?

- 1 km
 $\frac{1}{2}$ km
 $\frac{1}{4}$ km
 $\frac{3}{4}$ km

Two quarters are the same as a half

6. May grows her sunflower to 80cm. Jake's is only $\frac{1}{4}$ of this height. How tall is Jake's sunflower?

- 80cm
 60cm
 40cm
 20cm

To find a quarter, divide by 4

7. A roll of tape measures 12m. I use $\frac{3}{4}$ of the tape. How much is left?

- 5 m
 3 m
 2 m
 6 m

To find a quarter, divide 12 by 4 to get an answer of 3. If $\frac{1}{4}$ is 3, then $\frac{3}{4}$ is 9, leaving 3m of tape

8. I measure my pencil on Monday and it is 16cm long. By Friday, it is only half of this length. How long is my pencil on Friday?

- 10cm
 8cm
 4cm
 12cm

Half of 16 is 8, so the pencil must be 8cm long

9. What is $\frac{1}{4}$ of a kilometre?

- 25cm
 25m
 250cm
 250m

1 km is 1000m. Half of this is 500m, so a quarter is 250m

10. Cubes measure 3cm each. I make a row of 10 cubes. Then I break the row in half. How long is each half of the row?

- 10cm
 12cm
 15cm
 13cm

3cm x 10 = 30cm. Half of 30 is 15