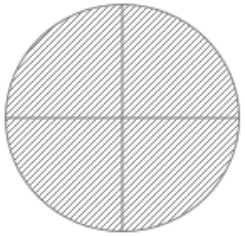
KS1 Maths Quiz - Year 2 Fractions - Shapes (Questions)

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 shapes.

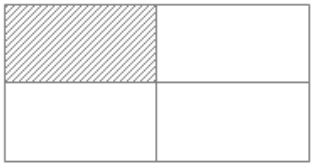
Finding fractions of shapes means being able to understand that a shape split into two equal parts has been halved, that a shape split into four equal parts (perhaps by halving and then halving again) has been quartered and a shape split into three equal parts is in thirds. Children in Year 2 should also recognise the equivalence of two quarters equalling one half, and also that three quarters is greater than a half, but less than the whole. Using division is key when working out and finding fractions of whole numbers.

1. How much of the shape is shaded?



[ ] $\frac{2}{4}$
[ ] $\frac{1}{4}$
[ ] $\frac{4}{4}$
[ ] $\frac{1}{2}$

2. How much of the shape is shaded?

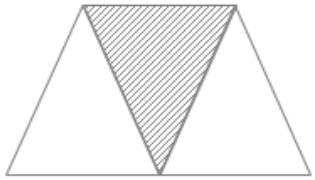


[ ] $\frac{2}{4}$
[ ] $\frac{1}{4}$
[ ] $\frac{1}{2}$
[ ] $\frac{3}{4}$

3. What is ¼ + ½?

[ ] $\frac{2}{4}$
[ ] $\frac{1}{4}$
[ ] $\frac{3}{4}$
[ ] $\frac{1}{2}$

4. How much of the shape is shaded?



[ ] $\frac{2}{3}$
[ ] $\frac{1}{4}$
[ ] $\frac{1}{3}$
[ ] $\frac{1}{2}$

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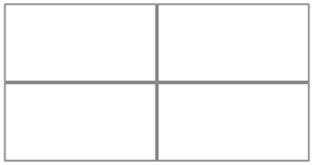
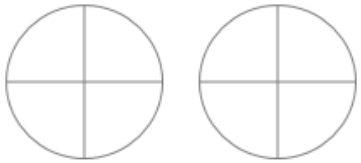
5. **Which is greater: ¾ or ½?**



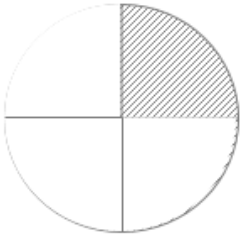
[ ] 2/4
[ ] They are both the same
[ ] 1/2
[ ] 3/4

6. **How many quarters altogether?**



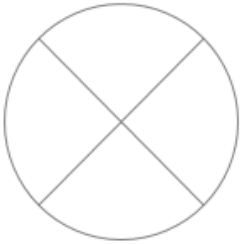
[ ] 8
[ ] 6
[ ] 5
[ ] 10

7. **How much of the shape is unshaded?**



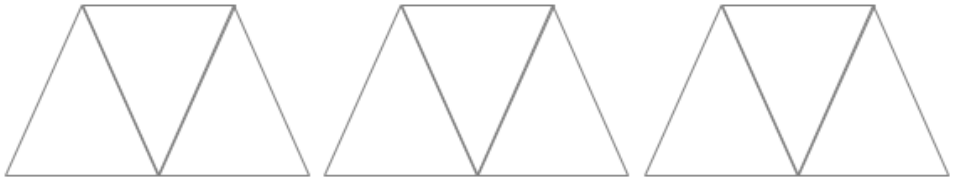
[ ] 2/4
[ ] 3/4
[ ] 4/4
[ ] 1/4

8. **If I shaded 2 quarters of this shape, it would be the same as...**



[ ] 1/2
[ ] 3/4
[ ] 2/5
[ ] 1/4

9. **How many thirds altogether?**



[ ] 5
[ ] 3
[ ] 6
[ ] 9

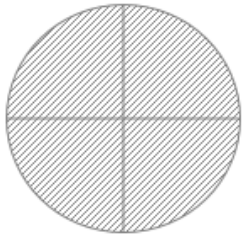
10. **Put these fractions in order from smallest to largest:**

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

[ ] $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$
[ ] $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$
[ ] $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$
[ ] $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

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

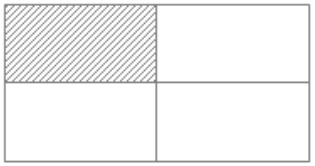
1. **How much of the shape is shaded?**



[ ] $^{2}/_{4}$
[ ] $^{1}/_{4}$
[x] $^{4}/_{4}$
[ ] $^{1}/_{2}$

The whole shape is shaded – this is 4 quarters

2. **How much of the shape is shaded?**



[ ] $^{2}/_{4}$
[x] $^{1}/_{4}$
[ ] $^{1}/_{2}$
[ ] $^{3}/_{4}$

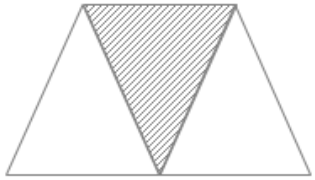
The shape is divided into four equal sections – each one is a quarter. One is shaded

3. **What is ¼ + ½?**

[ ] $^{2}/_{4}$
[ ] $^{1}/_{4}$
[x] $^{3}/_{4}$
[ ] $^{1}/_{2}$

If you shaded in 1 quarter, and then 2 more, you would have shaded 3 of the 4 quarters

4. **How much of the shape is shaded?**



[ ] $^{2}/_{3}$
[ ] $^{1}/_{4}$
[x] $^{1}/_{3}$
[ ] $^{1}/_{2}$

One of the three equal parts is called a third

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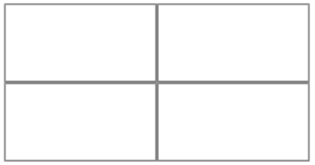
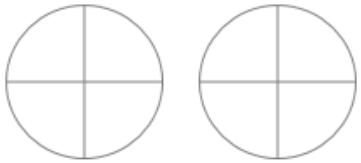
5. **Which is greater: ¾ or ½?**



[ ] $^{2}/_{4}$
[ ] They are both the same
[ ] $^{1}/_{2}$
[x] $^{3}/_{4}$

$^{1}/_{2}$ is the same as $^{2}/_{4}$ so $^{3}/_{4}$ is greater

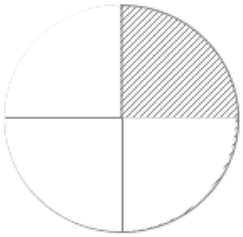
6. **How many quarters altogether?**



[x] 8
[ ] 6
[ ] 5
[ ] 10

Each shape has 4 quarters so there are 8 altogether

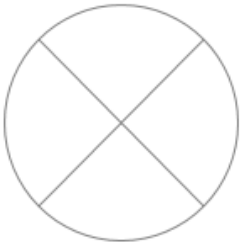
7. **How much of the shape is unshaded?**



[ ] $^{2}/_{4}$
[x] $^{3}/_{4}$
[ ] $^{4}/_{4}$
[ ] $^{1}/_{4}$

3 of the 4 quarters are not shaded, only one quarter is shaded

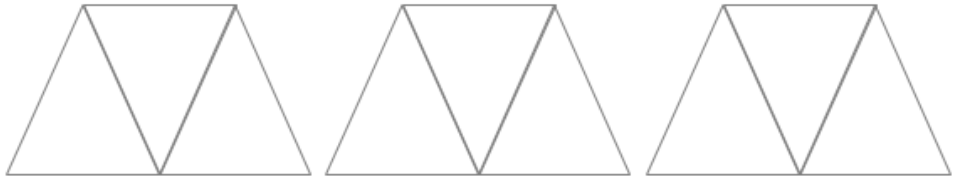
8. **If I shaded 2 quarters of this shape, it would be the same as...**



[x] $^{1}/_{2}$
[ ] $^{3}/_{4}$
[ ] $^{2}/_{5}$
[ ] $^{1}/_{4}$

There are four quarters. If I shaded two of them, it would be half of the shape

9. **How many thirds altogether?**



[ ] 5
[ ] 3
[ ] 6
[x] 9

Each shape has 3 thirds. There are 3 shapes so 3 x 3 = 9

10. **Put these fractions in order from smallest to largest:**

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

[ ] $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$
[ ] $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$
[ ] $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$
[x] $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

$\frac{1}{2}$ is the same as $\frac{2}{4}$