



W.C. 1st June

Use these worksheets to work from **and not on**. All you need is a piece of paper, pencil and a ruler.

After watching the videos and having a go at the practise activities on BBC Bitesize, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy.

Maths

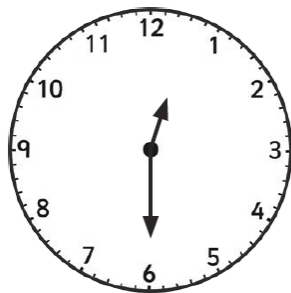
Deeper Learning - You may wish to deepen your learning by looking at time!

Time

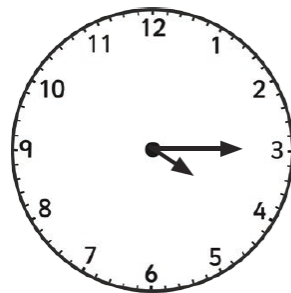
Tell the time on each clock, follow the instruction, and write in 24-hour format.
All the times are between noon and midnight.



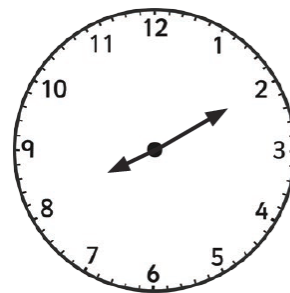
45 minutes before:



1 hour after:



35 minutes before:



an hour and
a half after:

4.15pm

11.30am

3.40pm

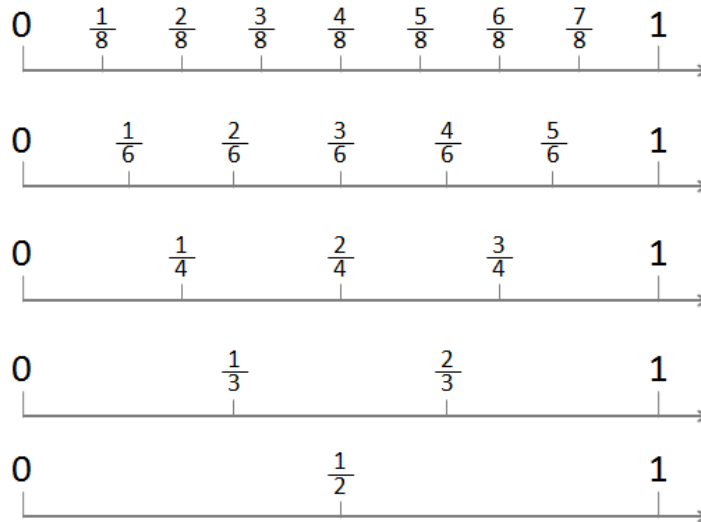
9.40pm

Monday <https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

<https://whiterosemaths.com/homelearning/year-3/>

Marking fractions on a number line below 1

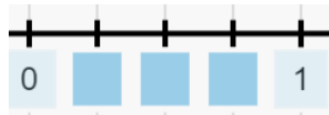
The example below shows fractions marked on number lines that span from 0 to 1.



Mild

- 2 Place these fractions on the number line.

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



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

- 3 Order the fractions in descending order.

$$\frac{3}{8} \quad \frac{5}{8} \quad \frac{1}{8} \quad \frac{8}{8} \quad \frac{7}{8}$$

$\frac{8}{8}, \frac{7}{8}, \frac{5}{8}, \frac{3}{8}, \frac{1}{8}$

Order these fractions from the smallest.

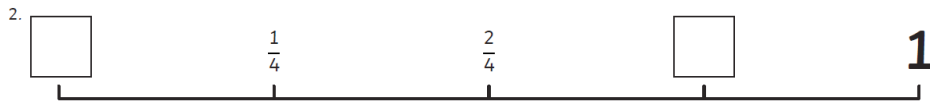
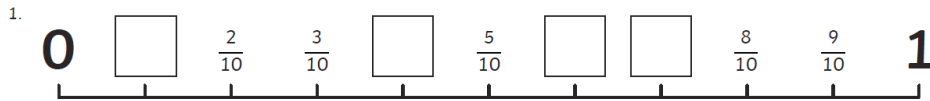
$$\frac{3}{4} \quad \frac{1}{4} \quad \frac{2}{4}$$

Order these fractions from the biggest.

$$\frac{4}{6} \quad \frac{6}{6} \quad \frac{3}{6} \quad \frac{1}{6} \quad \frac{5}{6}$$

Answers: $\frac{1}{4}, \frac{2}{4}, \frac{3}{4},$

$\frac{6}{6}, \frac{5}{6}, \frac{4}{6}, \frac{3}{6}, \frac{1}{6}$

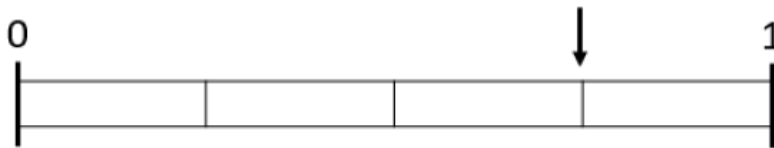


Answers: 1. $\frac{1}{10}$, $\frac{4}{10}$, $\frac{6}{10}$, $\frac{7}{10}$

2. 0, $\frac{3}{4}$

3. $\frac{1}{3}$, $\frac{3}{3}$ or 1

What fraction is the arrow indicating on the number line?



Answer: $\frac{3}{4}$

Medium

Order these fractions from the smallest.

$\frac{3}{6}$ $\frac{1}{6}$ $\frac{5}{6}$ $\frac{2}{6}$ $\frac{4}{6}$

Order these fractions from the biggest.

$\frac{4}{12}$ $\frac{6}{12}$ $\frac{8}{12}$ $\frac{10}{12}$ $\frac{11}{12}$

Answers: $\frac{1}{6}$, $\frac{2}{6}$, $\frac{3}{6}$, $\frac{4}{6}$, $\frac{5}{6}$

$\frac{11}{12}$, $\frac{10}{12}$, $\frac{8}{12}$, $\frac{6}{12}$, $\frac{4}{12}$

Order these fractions from the smallest.

$$\frac{7}{9} \quad \frac{3}{9} \quad \frac{9}{9} \quad \frac{1}{9} \quad \frac{4}{9}$$

Answers: $\frac{1}{9}, \frac{3}{9}, \frac{4}{9},$
 $\frac{7}{9}, \frac{9}{9}$

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

Order these fractions from the biggest.

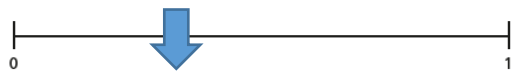
$$\frac{4}{4} \quad \frac{1}{2} \quad \frac{2}{3} \quad \frac{2}{4}$$

1 Draw an arrow to show the fractions on the number lines.

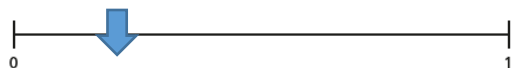
a) $\frac{1}{2}$



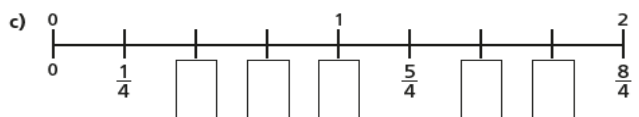
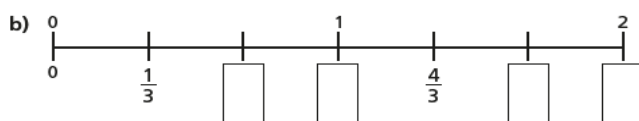
b) $\frac{1}{3}$



c) $\frac{1}{4}$



3 Write the missing fractions on the number lines.



Answers: A, $\frac{2}{2}, \frac{5}{2}, \frac{6}{2}$

B, $\frac{2}{3}, \frac{3}{3}, \frac{5}{3}, \frac{6}{3}$

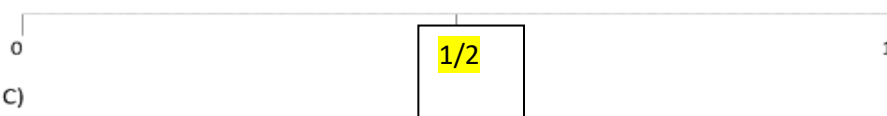
C, $\frac{2}{4}, \frac{3}{4}, \frac{4}{4}, \frac{6}{4}, \frac{7}{4}$

Fill in the missing numbers on these fraction number lines.

A)



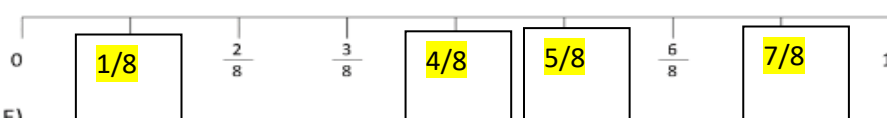
B)



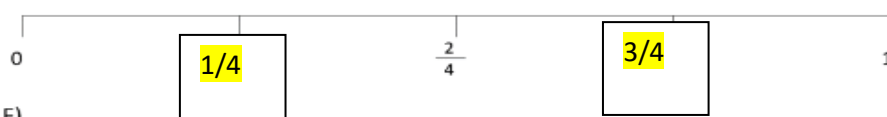
C)



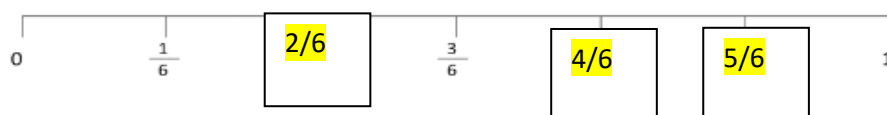
D)



E)



F)



Spicy

Order these fractions from the smallest.

$$\frac{9}{18} \quad \frac{1}{9} \quad \frac{5}{9} \quad \frac{1}{3} \quad \frac{8}{9}$$

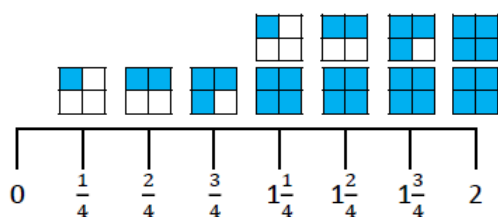
Order these fractions from the biggest.

$$\frac{4}{15} \quad \frac{9}{15} \quad \frac{1}{5} \quad \frac{4}{5} \quad \frac{11}{15}$$

Answers: $\frac{9}{18}$, $\frac{8}{9}$, $\frac{5}{9}$, $\frac{1}{9}$, $\frac{1}{3}$

$\frac{4}{5}$, $\frac{11}{15}$, $\frac{9}{15}$, $\frac{4}{15}$, $\frac{1}{5}$

Eva has drawn a number line.



Tommy says it is incorrect.

Do you agree with Tommy?

Explain why.

Can you draw the next three fractions?

Tommy is correct because Eva has missed 1 whole out.



Alex and Jack are counting up and down in thirds.

Alex starts at $5\frac{1}{3}$ and counts backwards.

Jack starts at $3\frac{1}{3}$ and counts forwards.

What fraction will they get to at the same time?

They will reach $4\frac{1}{3}$



6. Ali rides his bike to his gran's house.

He has a puncture when he is $\frac{2}{8}$ of the way there. At $\frac{6}{8}$ of the way there, he stops to have a drink.



Show Ali's journey on the blank number line.



Tuesday

<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

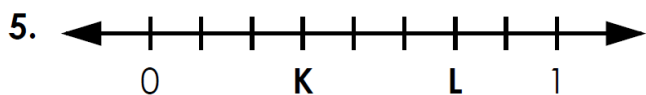
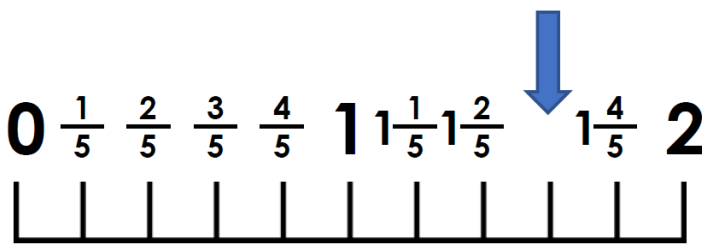
<https://whiterosemaths.com/homelearning/year-3/>

Marking fractions on a number line above 1

Mild

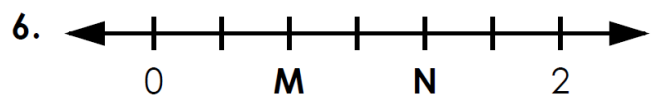
1. What fraction is the arrow pointing to on this number line?

1 $\frac{3}{5}$



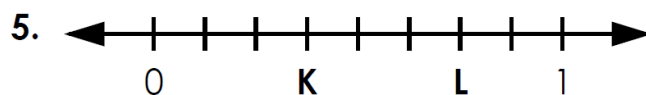
K = _____

L = _____



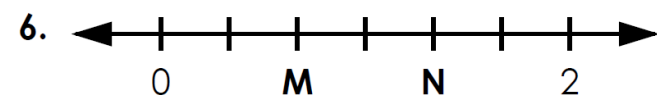
M = _____

N = _____



K = $\frac{3}{8}$

L = $\frac{6}{8}$ or $\frac{3}{4}$

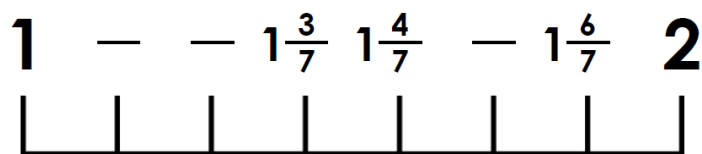


M = $\frac{2}{3}$

N = $1\frac{1}{3}$

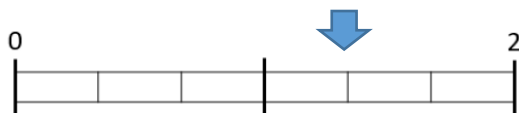
Medium

2. Write the fractions in the gaps on the number line.

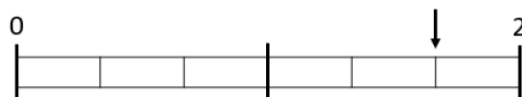


Answers: $1\frac{1}{7}$, $1\frac{2}{7}$, $1\frac{5}{7}$

Mark $1\frac{1}{3}$ on the number line.



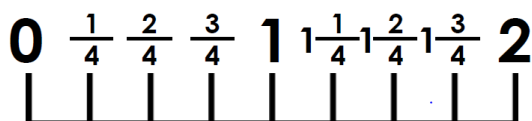
What fraction is the arrow indicating on the number line?



Answer: $1\frac{2}{3}$

Spicy

4. True or false? The fractions on this number line are correct.



True

Mark $\frac{9}{4}$ on the number line.



7. Taylor says:



If I start on $3\frac{2}{4}$ and count on 7 more quarters, I will end up on $5\frac{1}{4}$.

Is Taylor correct? Explain why.

True

Wednesday

<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

<https://whiterosemaths.com/homelearning/year-3/>

Unit fraction of an amount

Mild

1a. True or false? All the fractions can all be matched to a representation below. Explain your answer.

$$\frac{1}{3}$$

$$\frac{3}{4}$$

$$\frac{2}{3}$$

$$\frac{1}{2}$$



2b. Complete the table.

Numbers	Words	Fraction of a shape (shaded)
$\frac{\square}{4}$	Two quarters	
$\frac{\square}{4}$	One quarter	
$\frac{\square}{\square}$	One third	

2b.

Numbers	Words	Fraction of a shape (shaded)
$\frac{2}{4}$	Two quarters	
$\frac{1}{4}$	One quarter	
$\frac{1}{3}$	One third	

False, $\frac{3}{4}$ is missing.

Find $\frac{1}{5}$ of Eva's marbles.



I have divided the marbles into equal groups.

There are marbles in each group.

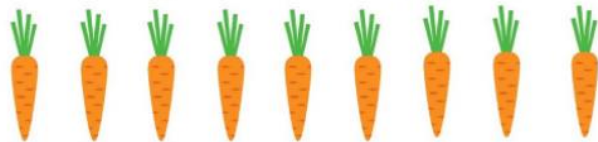
$\frac{1}{5}$ of Eva's marbles is marbles.

Answers; 5, 5, 4

3b. Imogen has picked some fruit.



4. Elliot has been digging for vegetables in the school allotment.
One half of the vegetables that she dig up were carrots.



I can use a unit fraction to describe the apples.



Imogen

How many vegetables did she dig up?

Do you agree? Explain your reasoning.



R

$\frac{3}{4}$ of the fruit are apples. Answer: 18

Medium

Ron has £3 and 50p
He wants to give half of his money to his brother.
How much would his brother receive?



£1.75



A bag of sweets weighs 240 g

There are 4 children going to the cinema,
each receives $\frac{1}{4}$ of the bag.

What weight of sweets will each child receive?



60g

- 1) Find and circle $\frac{1}{4}$ of the footballs.



- 2) A bar model can be used to find $\frac{1}{4}$ of 8.



Use this method to calculate:

- a) $\frac{1}{4}$ of 12 =
b) $\frac{1}{4}$ of 16 =
c) $\frac{1}{3}$ of 15 =

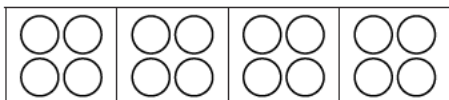


$\frac{1}{4}$ of the footballs is 4.

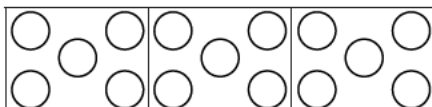
- 2) a) $\frac{1}{4}$ of 12 = 3



- b) $\frac{1}{4}$ of 16 = 4



- c) $\frac{1}{3}$ of 15 = 5



- 3) There are 12 strawberries in a whole punnet.



- 4) There are 12 eggs in a whole box.

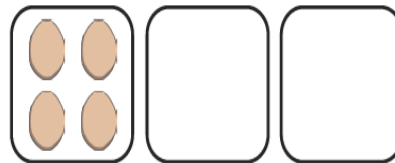


- 3) This is $\frac{1}{4}$ of a punnet of strawberries.



How many strawberries are in a whole punnet?

- 4) This is $\frac{1}{3}$ of a large box of eggs.



How many eggs are in a whole box?

Spicy

Whitney has 12 chocolates.



Fill in the Blanks

On Friday, she ate $\frac{1}{4}$ of her chocolates and gave one to her mum.

On Saturday, she ate $\frac{1}{2}$ of her remaining chocolates, and gave one to her brother.

On Sunday, she ate $\frac{1}{3}$ of her remaining chocolates.

How many chocolates does Whitney have left?

$$\frac{1}{3} \text{ of } 60 = \frac{1}{4} \text{ of } \boxed{}$$

$$\boxed{} \text{ of } 50 = \frac{1}{5} \text{ of } 25$$

Answers: 2

3) Jamil has £33.

I spent $\frac{1}{3}$ of my money in a toy shop.



Jamil



Jamil then spent $\frac{1}{2}$ of his change in a sports shop. What items did he buy? Use reasoning to explain your answer.

2) Two shops sell the same jumper costing £42.

In Shop A, the jumper is reduced by $\frac{1}{3}$.

In Shop B, the jumper is reduced by $\frac{1}{6}$.

Which shop sells the jumper at the cheaper price?

Explain your answer.

A racket and water bottle.

Shop A as $\frac{1}{3}$ of the price gives £14 off and $\frac{1}{6}$ only gives £7 off.

$\frac{1}{3}$ of 33 is 11.

Change 22 and half is 11£

Thursday

<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

<https://whiterosemaths.com/homelearning/year-3/>

Non-unit fractions of an amount or a set of objects.

Mild

Find $\frac{2}{5}$ of Eva's marbles.



I have divided the marbles into equal groups.

There are marbles in each group.

$\frac{2}{5}$ of Eva's marbles is marbles.

Answers: 2, 10, 8

5a. Complete the table.

Numbers	Words	Fraction of a shape (shaded)
 	Three tenths	
$\frac{1}{6}$		

7a. True or false? All the fractions can all be matched to a representation below. Explain your answer.

$\frac{3}{8}$

Two out of ten

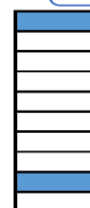
Four fifths

$\frac{2}{5}$

A.



C.



B.

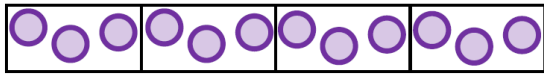


Numbers	Words	Fraction of a shape (shaded)
 	Three tenths	
$\frac{1}{6}$	One sixth	
 	Three eighths	

False $\frac{2}{5}$ are not shown.

Medium

- 2 Sam has used a bar model and counters to find $\frac{3}{4}$ of 12



Use Sam's method to calculate:

$$\frac{5}{6} \text{ of } 12$$

$$\frac{2}{3} \text{ of } 12$$

$$\frac{2}{3} \text{ of } 18$$

$$\frac{7}{9} \text{ of } 18$$

Answers: 10, 8, 12, 14

- 1) $\frac{2}{3}$ of the chairs set out for assembly are shown. How many chairs were set out altogether? Use a bar model and explain your reasoning.



- 1) If 18 chairs represent $\frac{2}{3}$ of the chairs, then dividing this amount by 2 would calculate $\frac{1}{3}$ of the chairs.

$$18 \div 2 = 9$$

To find $\frac{3}{3}$, the amount of chairs altogether, multiply $\frac{1}{3}$ by 3.

$$9 \times 3 = 27$$

There were 27 chairs set out for assembly.

- 1) A bar model can be used to find $\frac{1}{4}$ of 8.
If $\frac{1}{4}$ of 8 is 2, then:



- a) $\frac{2}{4}$ of 8 is _____. b) $\frac{3}{4}$ of 8 is _____.

1) a) $\frac{2}{4}$ of 8 is 4.

b) $\frac{3}{4}$ of 8 is 6.

Spicy

Rajesh has £28

On Friday, he spent $\frac{1}{4}$ of his money.

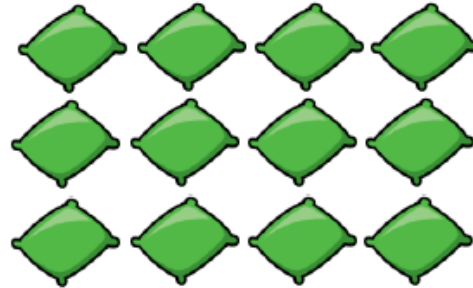
On Saturday, he spent $\frac{2}{3}$ of his remaining money and gave £2 to his sister.

On Sunday, he spent $\frac{3}{5}$ of his remaining money.

How much money does Rajesh have left?

What fraction of his original amount is this?

This is $\frac{3}{4}$ of a set of beanbags.



How many were in the whole set?

16

Ron has £4 left.

This is $\frac{1}{7}$ of his original amount.

- 3) Kirk has been finding fractions of 48.
He says that all of the answers to these fractions will give an answer that is a multiple of 4.

$\frac{1}{4}$ of 48	$\frac{1}{8}$ of 48	$\frac{3}{8}$ of 48
$\frac{2}{6}$ of 48	$\frac{1}{2}$ of 48	$\frac{1}{12}$ of 48
$\frac{2}{3}$ of 48	$\frac{2}{8}$ of 48	

A circular illustration of a young boy with brown hair, wearing a white shirt, looking towards the viewer.

Do you agree? Explain your reasoning.

- 3) **Kirk is incorrect. Although most of the answers are multiples of 4, some of them are not. The following answers are multiples of 4:**

$\frac{1}{4}$ of 48 is 12.

$\frac{2}{8}$ of 48 is 12.

$\frac{2}{6}$ of 48 is 16.

$\frac{1}{2}$ of 48 is 24.

$\frac{2}{3}$ of 48 is 32.

$\frac{1}{12}$ of 48 is 4.

Friday

Times Table Rockstars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!



Quiz

Mild

11. $2 \times 9 =$

12. Which are the even numbers?
7 14 21 28

13. What symbol is missing?
 $22 \square 11 = 2$

14. What symbol is missing?
 $4 \times 4 \square 16$

15. Is this true? Write 'yes' or 'no'.
 $7 \times 4 = 4 \times 7$

16. Bread rolls are sold in packs of 8. If I buy 3 packs, how many rolls do I get?

17. 9 apples are shared. How many people are there if each person gets 1?

18. What fraction is shaded?



19. How many **thirds** are in 2 whole ones?

20. How many **quarters** do you need to make **one half**?

Medium/Spicy

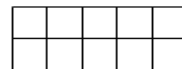
11. $27 \div 3 =$

12. $9 \times 4 =$

13. Use $7 \times 8 = 56$ to solve:
 $560 \div 8 =$

14. Eggs come in boxes of 6. I need 27 eggs. How many boxes should I buy?

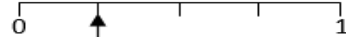
15. Shade $\frac{1}{10}$ of this shape?



16. Circle $\frac{3}{5}$ of the marbles.



17. What fraction is labelled?



18. $\frac{2}{8} = \frac{?}{4}$



19. Subtract the fractions.

$\frac{5}{7} - \frac{2}{7}$

20. Write the largest fraction.

$\frac{1}{8} \quad \frac{3}{8} \quad \frac{2}{8} \quad \frac{5}{8}$

Answers:

18

14, 28

Divided

=

Yes

24

9

$\frac{1}{3}$

$\frac{6}{3}$

$\frac{2}{4}$

9

36

70

5

6 marbles

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{3}{7}$

$\frac{5}{8}$