Tuesday 23rd June

Hello Year 5,

We do hope that you are all well and taking care of yourselves and your families during these very strange times.

Here are the activities for this week for you to follow and complete. We're starting a new writing unit, learning about percentages, decimals and fractions in Maths and also focusing on healthy eating in PSHE. There's a sprinkling of art, P.E. and outdoor learning too! If you have some spare time or want to do some extra learning, you could visit https://www.bbc.co.uk/bitesize or https://www.thenational.academy/online-classroom where there are lots of lessons and activities to choose from.

As always, try to read for at least 20 minutes a day and take 'Accelerated Reader' quizzes from home by using this link Howley Grange Renaissance at home and logging on as usual using your username and password. To check that the book you are reading has a quiz, you can check it using on Accelerated Reader Bookfinder. Remember you can read or listen to books online using https://readon.myon.co.uk and https://stories.audible.com/start-listen.

As well as learning, take time to relax, exercise and be kind to yourselves and each other.

Best wishes,

Miss Savage, Mrs Montgomery and Mrs Graham too!

English Activity 2

★ **Reread what you have written and change some of the words so that it says exactly what you want it to say. You may want to look at the writing challenge below and add in some of these ideas.**

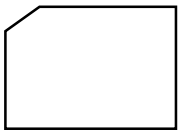
Writing Challenge:

★ **Can you explore more of the senses? You may like to try the following pattern:**

I opened the magical door and saw …
I opened the magical door and heard …
I opened the magical door and smelt …
I opened the magical door and touched …
I opened the magical door and found …

MATHS 10-4-10

1. 456 – 132 =
2. 96 ÷ 3 =
3. 10^2 =
4. 246 + _____ = 567
5. Simplify $\frac{4}{10}$.
6. How many obtuse angles are in this shape?



7. How many days in December?
8. I buy 10 raffle tickets at £1.60 each. How much money have I spent?
9. 3m = _____cm
10. I set off at 7:40am. My journey takes 45 minutes. When do I arrive?

Remember – ten questions in ten minutes.

If you find one tricky, just move on to the next and come back to any you have missed at the end.

Maths Activity – Percentages as fractions and decimals

It's day two of learning about percentages, decimals and fractions.

Use the following link to White Rose Maths Home Learning and watch the video for Summer Term - Week 8 - Lesson 2 - Percentages as fractions and decimals.

https://whiterosemaths.com/homelearning/year-5/

The video explains the concept in different ways; you can pause the video and complete the questions on the sheet or in your homework books, or you may prefer to watch the whole video first before completing the sheet. If you feel you want to just go ahead and complete the sheet, then feel free to do so. You can then check your answers to see how you got on (answers are at the end of the presentation).

Again you should have a go at completing the questions you feel confident to. Remember, don't worry, just try your best.

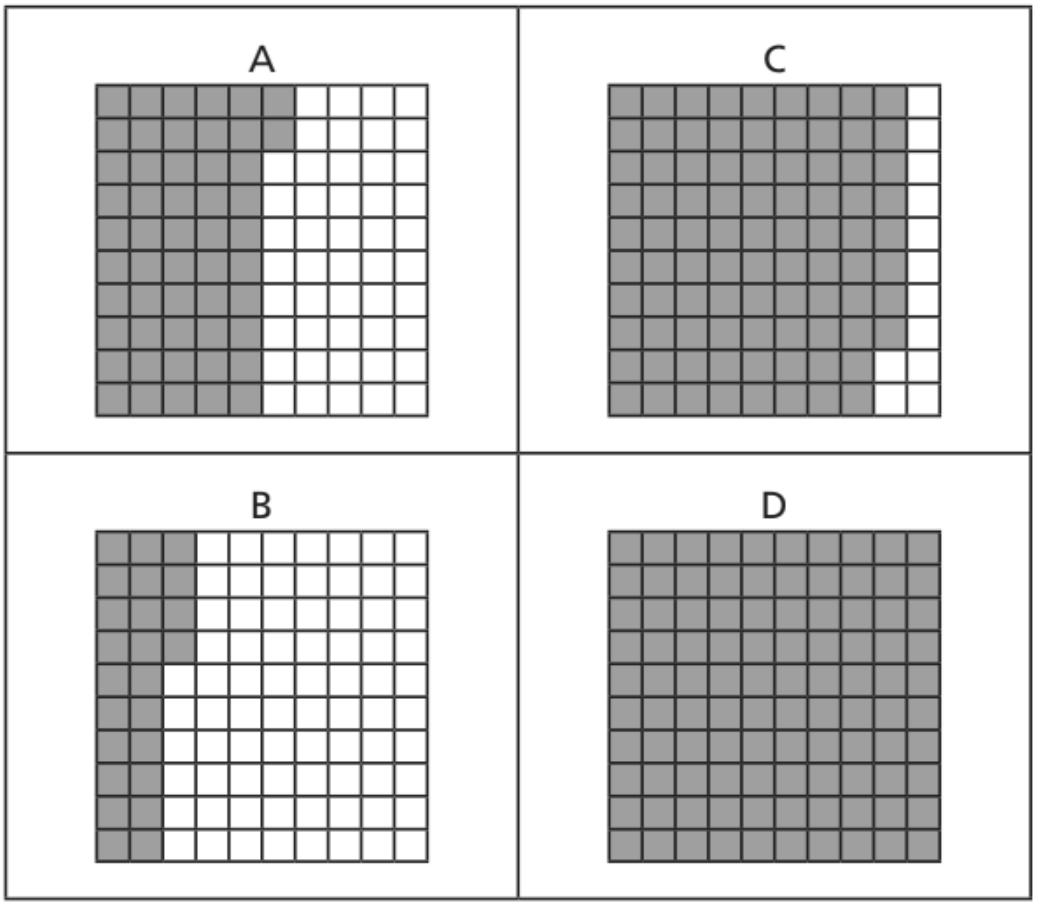
Questions 1 – 3 ☆

Questions 1 – 6 ☆☆

Questions 1 - 8 ☆☆☆

Percentages as fractions and decimals

1 Here are four hundred squares.

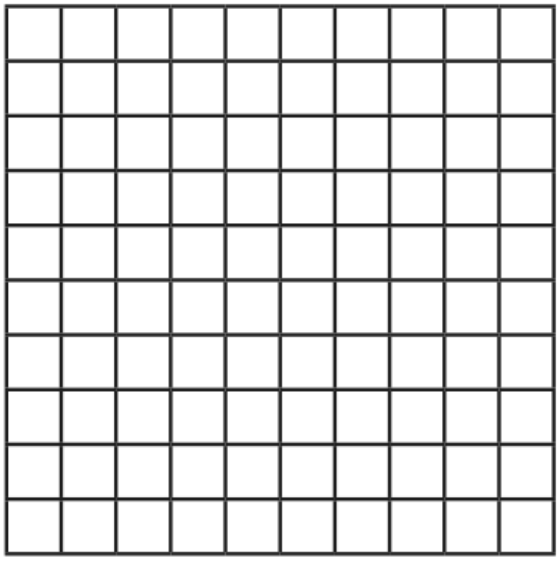


Complete the table.

Hundred square	Percentage	Fraction	Decimal
A		$\frac{52}{100}$	
B			
C			
D			

2 Prove that 0.2 is equal to 20%.

You may use the hundred square to help you.



Why do you think some people think that 0.2 is equal to 2%?

3 Complete the fraction, decimal and percentage equivalents.

a) $32\% = \frac{\square}{100} = \square$

$35\% = \frac{\square}{100} = \square$

$48\% = \frac{\square}{100} = \square$

b) $\frac{17}{100} = \square\ \% = \square$

$\frac{9}{100} = \square\ \% = \square$

$\frac{90}{100} = \square\ \% = \square$

c) $0.29 = \square\ \% = \frac{\square}{100}$

$0.71 = \square\ \% = \frac{\square}{100}$

$0.03 = \square\ \% = \frac{\square}{100}$

4 Write <, > or = to complete the statements.

a) 50% ◯ $\frac{5}{100}$

b) 25% ◯ $\frac{50}{100}$

c) 14% ◯ $\frac{41}{100}$

d) $\frac{40}{100}$ ◯ 40%

e) $\frac{70}{100}$ ◯ 7%

f) 82% ◯ $\frac{82}{100}$

5 Write the values in order from smallest to greatest.

a) 33% $\frac{30}{100}$ 3% $\frac{13}{100}$

_____

b) 299% $\frac{91}{100}$ 9% $\frac{9}{10}$

_____

c) 2.5 $\frac{25}{100}$ 250 25% of 100 $\frac{25}{1000}$

_____

6 Convert the fractions to hundredths.

Complete the decimal and percentage equivalents.

a) $\frac{150}{300} = \frac{\square}{100} = \square = \square$ %

b) $\frac{25}{500} = \frac{\square}{100} = \square = \square$ %

c) $\frac{48}{300} = \frac{\square}{100} = \square = \square$ %

d) $\frac{18}{50} = \frac{\square}{100} = \square = \square$ %

e) $\frac{13}{25} = \frac{\square}{100} = \square = \square$ %

7 Circle all the fractions that are greater than or equal to 50%.

$\frac{10}{50}$	$\frac{4}{5}$	$\frac{50}{100}$
$\frac{30}{80}$	$\frac{1}{50}$	$\frac{70}{140}$

8 Jack and Dora go shopping with the same amount of money.

Jack spends $\frac{1}{3}$ of his money.

Dora spends 30% of her money.

a) Who spends more money? _____

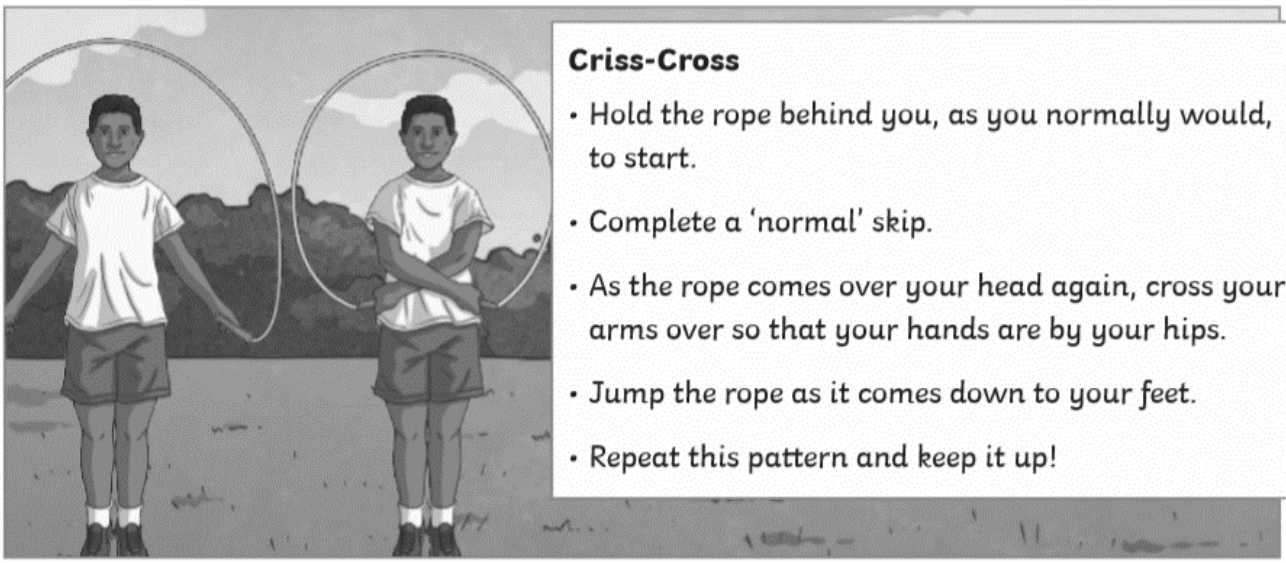
Use fraction and percentage equivalence to explain your answer.

b) Jack and Dora each started with £300

How much money do they each have left?

Jack ☐ Dora ☐

Move at Home: Skipping Workout 2

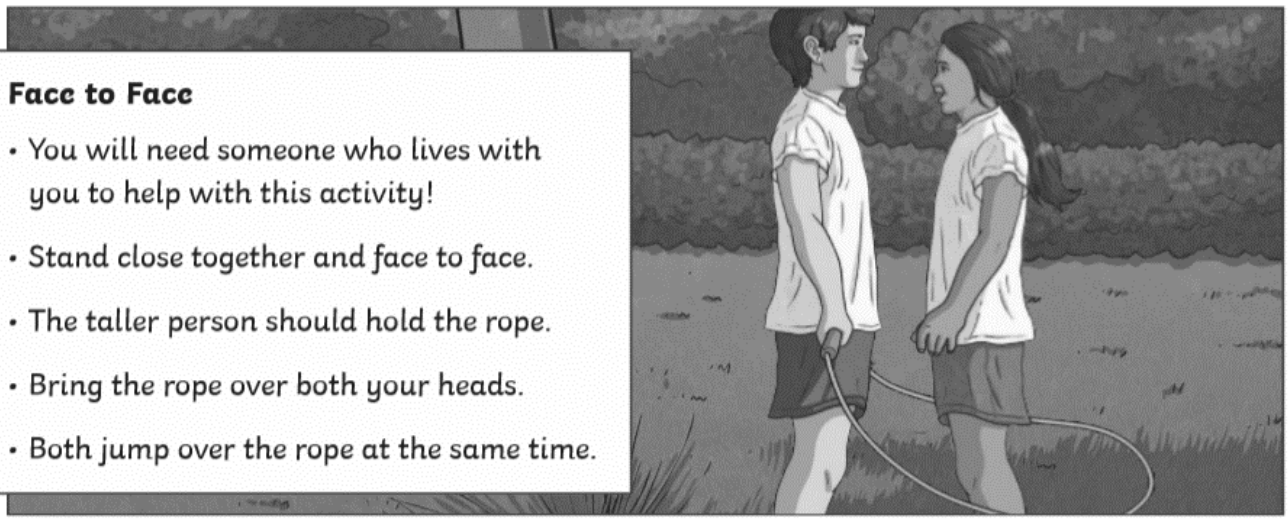


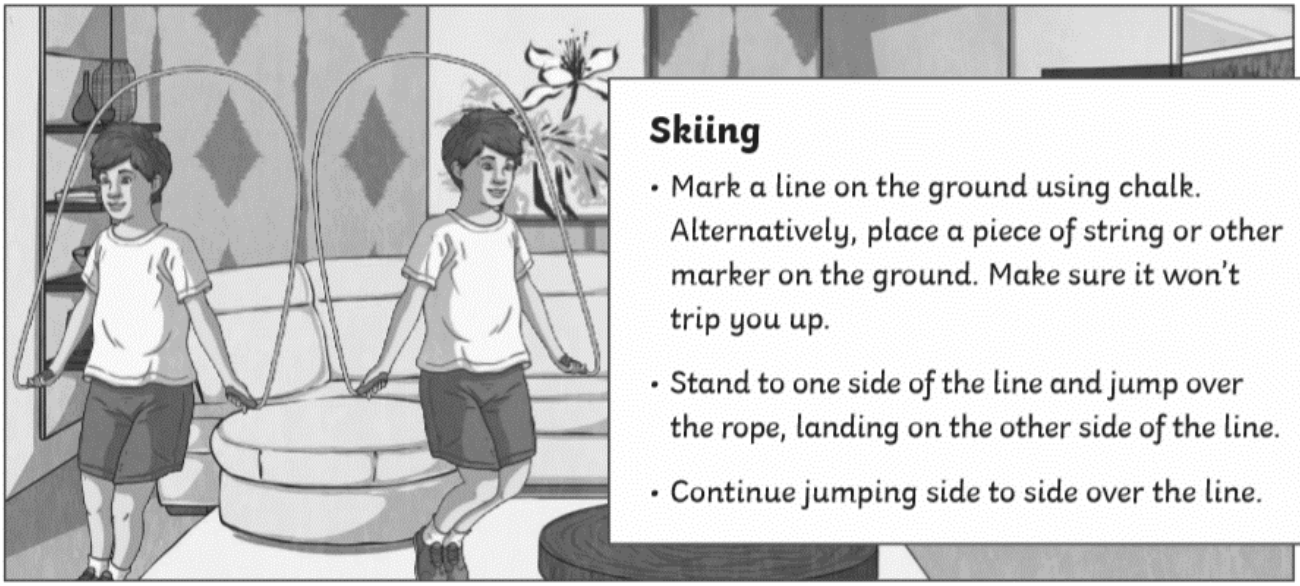
Criss-Cross

- Hold the rope behind you, as you normally would, to start.
- Complete a 'normal' skip.
- As the rope comes over your head again, cross your arms over so that your hands are by your hips.
- Jump the rope as it comes down to your feet.
- Repeat this pattern and keep it up!

Face to Face

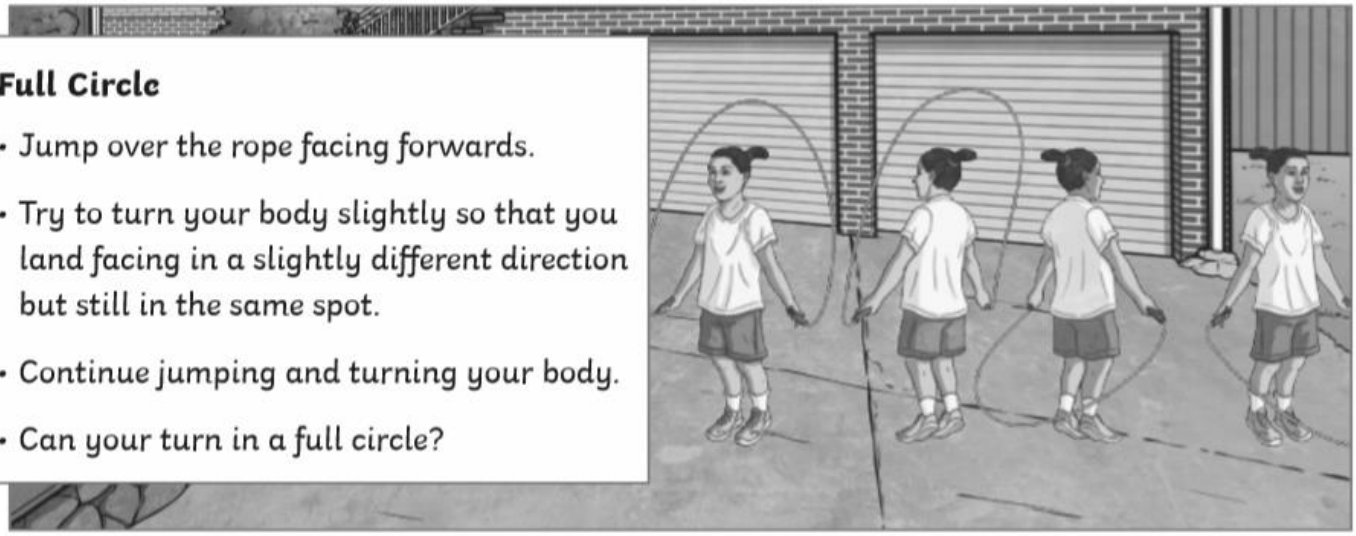
- You will need someone who lives with you to help with this activity!
- Stand close together and face to face.
- The taller person should hold the rope.
- Bring the rope over both your heads.
- Both jump over the rope at the same time.





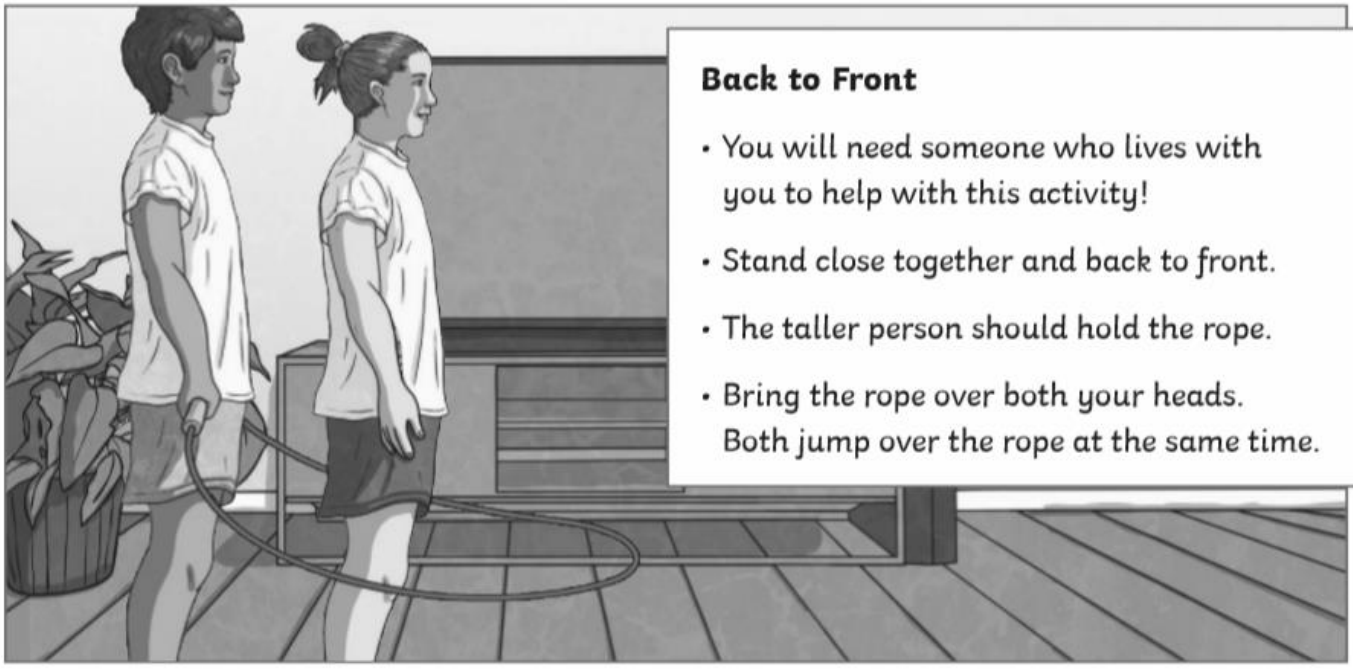
Skiing

- Mark a line on the ground using chalk. Alternatively, place a piece of string or other marker on the ground. Make sure it won't trip you up.
- Stand to one side of the line and jump over the rope, landing on the other side of the line.
- Continue jumping side to side over the line.



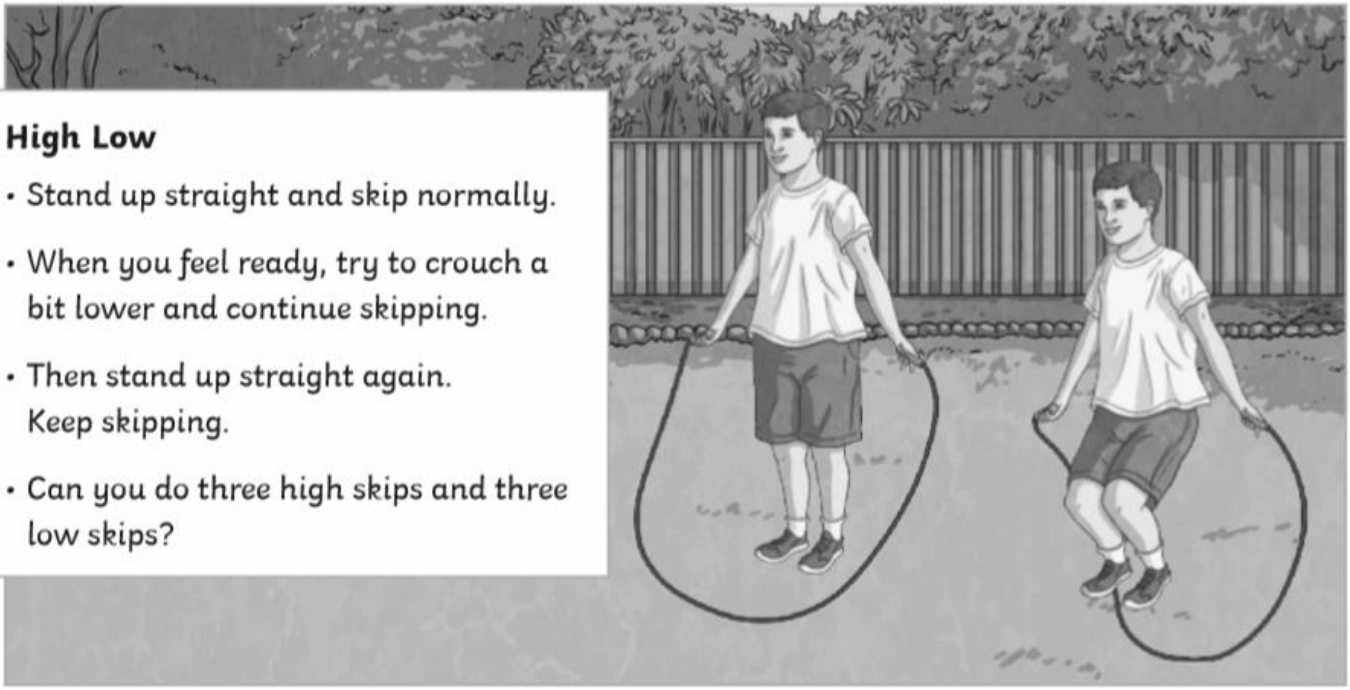
Full Circle

- Jump over the rope facing forwards.
- Try to turn your body slightly so that you land facing in a slightly different direction but still in the same spot.
- Continue jumping and turning your body.
- Can your turn in a full circle?



Back to Front

- You will need someone who lives with you to help with this activity!
- Stand close together and back to front.
- The taller person should hold the rope.
- Bring the rope over both your heads. Both jump over the rope at the same time.



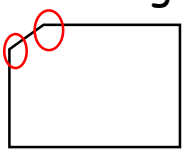
High Low

- Stand up straight and skip normally.
- When you feel ready, try to crouch a bit lower and continue skipping.
- Then stand up straight again. Keep skipping.
- Can you do three high skips and three low skips?

ANSWERS

ANSWERS 10-4-10

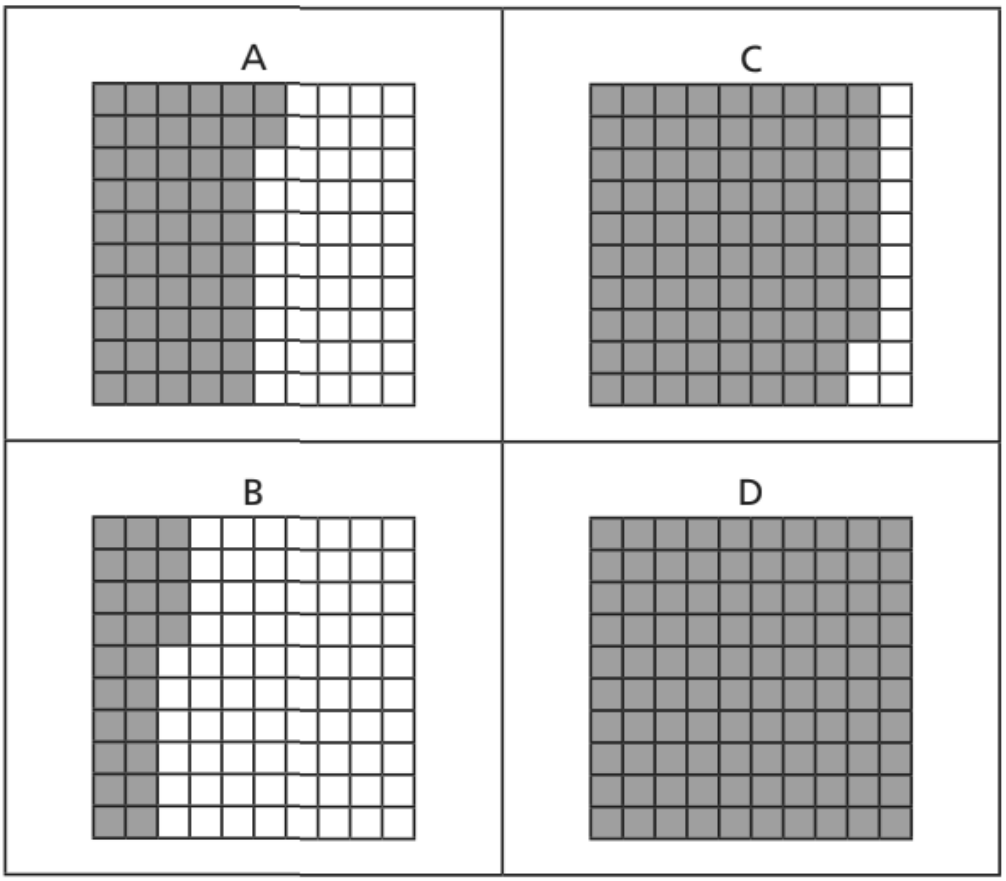
1. 456 – 132 = 324
2. 96 ÷ 3 = 32
3. 10^2 = 100
4. 246 + 321 = 567
5. Simplify $\frac{4}{10}$ = $\frac{2}{5}$
6. How many obtuse angles in this shape? 2



7. How many days in December? 31
8. I buy 10 raffle tickets at £1.60 each. How much money have I spent? £16
9. 3m = 300cm
10. I set off at 7:40am. My journey take 45 minutes. When do I arrive? 8:25am

ANSWERS: Percentages as fractions and decimals

1 Here are four hundred squares.

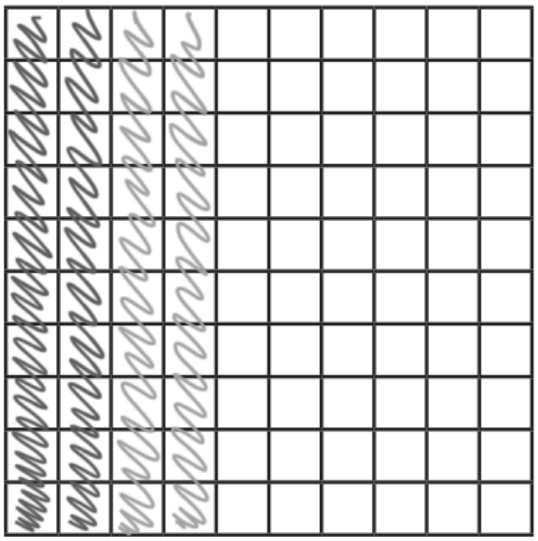


Complete the table.

Hundred square	Percentage	Fraction	Decimal
A	52 %	$\frac{52}{100}$	0·52
B	24 %	$\frac{24}{100}$	0·24
C	88 %	$\frac{88}{100}$	0·88
D	100 %	$\frac{100}{100}$	1

2 Prove that 0.2 is equal to 20%.

You may use the hundred square to help you.



$0{\cdot}2 = 2 \text{ tenths} = \frac{2}{10} = \frac{20}{100}$

$20\% = \frac{20}{100}$

Why do you think some people think that 0.2 is equal to 2%?

3 Complete the fraction, decimal and percentage equivalents.

a) $32\% = \frac{32}{100} = 0{\cdot}32$

$35\% = \frac{35}{100} = 0{\cdot}35$

$48\% = \frac{48}{100} = 0{\cdot}48$

b) $\frac{17}{100} = 17\% = 0{\cdot}17$

$\frac{9}{100} = 9\% = 0{\cdot}09$

$\frac{90}{100} = 90\% = 0{\cdot}9$

c) $0.29 = 29\% = \frac{29}{100}$

$0.71 = 71\% = \frac{71}{100}$

$0.03 = 3\% = \frac{3}{100}$

4 Write <, > or = to complete the statements.

a) 50% (>) $\frac{5}{100}$

b) 25% (<) $\frac{50}{100}$

c) 14% (<) $\frac{41}{100}$

d) $\frac{40}{100}$ (=) 40%

e) $\frac{70}{100}$ (>) 7%

f) 82% (=) $\frac{82}{100}$

5 Write the values in order from smallest to greatest.

a) 33% $\frac{30}{100}$ 3% $\frac{13}{100}$

3%, $\frac{13}{100}$, $\frac{30}{100}$, 33%

b) 299% $\frac{91}{100}$ 9% $\frac{9}{10}$

9%, $\frac{9}{10}$, $\frac{91}{100}$, 299%

c) 2.5 $\frac{25}{100}$ 250 25% of 100 $\frac{25}{1000}$

$\frac{25}{1000}$, $\frac{25}{100}$, 2.5, 25% of 100, 250

6 Convert the fractions to hundredths.

Complete the decimal and percentage equivalents.

a) $\frac{150}{300} = \frac{50}{100} =$ 0.5 = 50 %

b) $\frac{25}{500} = \frac{5}{100} =$ 0.05 = 5 %

c) $\frac{48}{300} = \frac{16}{100} =$ 0.16 = 16 %

d) $\frac{18}{50} = \frac{\boxed{36}}{100} = \boxed{0{\cdot}36} = \boxed{36}\ \%$

e) $\frac{13}{25} = \frac{\boxed{52}}{100} = \boxed{0{\cdot}52} = \boxed{52}\ \%$

7 Circle all the fractions that are greater than or equal to 50%.

$\frac{10}{50}$	$\frac{4}{5}$	$\frac{50}{100}$
$\frac{30}{80}$	$\frac{1}{50}$	$\frac{70}{140}$

8 Jack and Dora go shopping with the same amount of money.

Jack spends $\frac{1}{3}$ of his money.

Dora spends 30% of her money.

a) Who spends more money? Jack

Use fraction and percentage equivalence to explain your answer.

$\frac{1}{3} = \frac{10}{30}$

$30\% = \frac{3}{10} = \frac{9}{30}$

b) Jack and Dora each started with £300

How much money do they each have left?

Jack £200 Dora £210